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Washington, D. C.

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1938-39

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For Members of the Potomac Rose Society and of Local Garden Clubs

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## *AN INSTITUTE OF ROSE GROWING*

*An Opportunity for Rose Lovers and Rose Growers to Meet and  
Discuss the Problems Involved in Growing Roses in this Area*

sponsored by

The Potomac Rose Society

and

The George Washington University



533172

February 14, 15, 16, 1939, at 8 P.M.

Building D, Room 105

2013 G Street, Northwest

Washington, D. C.

## PROGRAM

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TUESDAY, FEBRUARY 14, 1939, AT 8 P. M.

*Chairman:* COLONEL W. H. ENGLAND,  
*Member, Potomac Rose Society*

Greeting.....MRS. WHITMAN CROSS  
*President, Potomac Rose Society*

Welcome.....DR. CLOYD HECK MARVIN  
*President, The George Washington University*

### I. THE EVOLUTION OF THE ROSE

#### A. Addresses

- |  |                           |                          |
|--|---------------------------|--------------------------|
| 1. Species .....                                   | }                         | PROFESSOR PAUL W. BOWMAN |
| 2. Hybridization.....                              |                           |                          |
| 3. Early Garden Roses.....                         | COMMANDER WALTER S. DIEHL |                          |
| a. China, Teas, Province, Gallica, Noisettes, etc. |                           |                          |
| b. Hybrid perpetuals                               |                           |                          |
| c. Early hybrid teas                               |                           |                          |
| 4. Modern Garden Roses.....                        | DR. J. A. GAMBLE          |                          |
| a. Hybrid teas (define Pernetianas)                |                           |                          |
| b. Polyanthas                                      |                           |                          |
| c. Floribunda                                      |                           |                          |

#### B. Questions and Discussion



WEDNESDAY, FEBRUARY 15, 1939, AT 8 P. M.

*Chairman: L. L. POWERS, Vice President, Potomac Rose Society*

## II. THE PRODUCTION OF ROSEBUSHES

### A. Addresses

1. Methods of Propagation.....PROFESSOR LAWSON EDWIN YOCUM
  - a. Seedlings
  - b. Layering
  - c. Rooted cuttings
  - d. Budding and grafting
2. Production of the Commercial Bush.....W. J. STAALMAN
  - a. Multiflora seedlings
  - b. Budded bushes
  - c. Culture
  - d. Digging and storage
  - e. How your order is filled
3. Demonstrations of Budding and Hybridization.....N. J. HANSEN

### B. Questions and Discussion

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THURSDAY, FEBRUARY 16, 1939, AT 8 P. M.

*Chairman: MAYOR R. L. RUFFNER,  
Member, Potomac Rose Society*

## III. THE ROSE OF TOMORROW

### A. Addresses

1. Future Work to Improve Quality
  - a. Development of better understocks.....J. M. FRANKLIN
    - (1) Bud selection.....COMMANDER WALTER S. DIEHL
  - b. Improved methods of growing,  
disease control, fertilization, etc. } PROFESSOR W. R. BALLARD
  - c. Scientific research needed..... }
2. Roses of the Future.....W. H. YOUNGMAN
  - a. Work for the hybridist
  - b. Predictions: a look into the future

### B. Questions and Discussion

## JOINT COMMITTEE

MRS. WHITMAN CROSS, *Chairman*  
DR. CLOYD HECK MARVIN  
PROFESSOR PAUL W. BOWMAN  
MR. W. H. YOUNGMAN  
COMMANDER WALTER S. DIEHL  
MR. GEORGE U. GRAFF

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## COOPERATING GARDEN CLUBS

Chevy Chase, D. C., Club	Potomac Palisades Garden Club
Chevy Chase, Maryland, Club	National Capital Dahlia Society
Community Garden Club of Bethesda	Woodridge Garden Club
Trowel Club	Garden Club of the Forest
Little Garden Club of Sandy Spring	Arlington County Garden Club
Washington Garden Club	Neighborhood Garden Club of Gaithersburg
Potomac Rose Society	Riverdale Garden Club
Hyattsville Horticulture Club	Fairfax Garden Club
Takoma Horticulture Club	The Garden Club of Alexandria
Community Garden Club of Rockville	Georgetown Garden Club



CULTURAL RELATIONS BETWEEN THE  
UNITED STATES AND THE OTHER  
AMERICAN REPUBLICS

ADDRESS DELIVERED BY

RICHARD F. PATTEE

DIVISION OF CULTURAL RELATIONS  
DEPARTMENT OF STATE

UNDER THE AUSPICES OF  
THE INTER-AMERICAN CENTER  
THE GEORGE WASHINGTON UNIVERSITY

FEBRUARY 20, 1939



THE GEORGE WASHINGTON UNIVERSITY PRESS  
WASHINGTON, D. C.

1939

CLIMATE RELATIONS BETWEEN THE  
UNITED STATES AND THE OTHER  
AMERICAN REPUBLICS

ADDRESS DELIVERED BY

RICHARD F. EATON, D. D.

DIRECTOR OF CLIMATE RELATIONS

DEPARTMENT OF STATE

UNDER THE AUSPICES OF

THE AMERICAN PEOPLE

THE UNIVERSITY OF CHICAGO

FEBRUARY 22, 1922



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CULTURAL RELATIONS BETWEEN THE  
UNITED STATES AND THE OTHER  
AMERICAN REPUBLICS

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## CULTURAL RELATIONS BETWEEN THE UNITED STATES AND THE OTHER AMERICAN REPUBLICS

Cultural relations are, of course, only one aspect of the broad structure of international relationships. It would be futile to undertake to divorce completely one type of interchange as distinct from the others. Political ties, economic exchange, and cultural understanding are part of the same general process of arriving at a point where peoples have a less parochial concept of things and through an awareness of alien cultures and thought curtail the trends toward hostility or antagonism. Cultural relations are no new phenomenon in the modern world. The term has become a part of the general picture of international relations since the World War, especially as the League of Nations devoted marked attention to this phase of the relations between nations. The problem of encouraging and strengthening cultural relations and intellectual cooperation between the United States and other countries has assumed an increasing importance during the past few years. While in many nations of the world special governmental agencies have been developed for this purpose, in the United States dependence has been almost entirely on private foundations and institutions. There does not exist in this country an agency of a national character whose purpose is the stimulation of intellectual intercourse with other peoples. The absence of a tradition in this field, the feeling that such activities pertain more logically to private initiative, and above all the fact that there has not existed heretofore any appropriate organization within the Federal Government able to deal with cultural matters with other nations have conspired to delay a more vigorous participation by the United States in official cultural relations. Throughout the country, active and effective societies, clubs, and organizations of every kind exist to promote cultural interchange and a sympathetic understanding of the culture, history, and social institutions of other peoples. The work of many of these institutions has been worthy of the highest praise. The colleges and universities of this country have also devoted considerable attention to the study of the development and present condition of other nations. Many of these organizations with limited means and restricted budgets have encouraged every legitimate form of international exchange and have contributed in no small way to the development of a comprehension

of other cultures within this country and of our own culture abroad. It is clear, however, that in spite of the praiseworthy efforts of many of these groups, there exists a need for a coordination to increase effectiveness and avoid to a larger degree inevitable overlapping. The enormous extent of this country, with its inevitable regional interests and sectional enthusiasms, contributes to the multiplication of organizations of every kind, and especially of those whose reason for existence is what may be broadly and generally designated as cultural relations.

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The absence of a centralizing agency in the United States to coordinate these activities has long been felt, and it is recognized that the Government of the United States has certain definite obligations in stimulating and encouraging contacts with the other peoples of the world. Although this recognition constitutes a departure, in a certain sense, from the traditional practice, it is reasonable nevertheless that, in our relations with other governments and peoples, the aid and cooperation of official agencies are necessary. The decision to establish the Division of Cultural Relations in the Department of State is the result of mature consideration and careful thought. It is the opinion of the Department that there are certain limitations on private efforts which can be overcome through the existence of an official agency which can cooperate with and advise, suggest, and aid private enterprises in every possible way. The Under Secretary of State has pointed out that

In the spirit of President Roosevelt's Good Neighbor Policy, with the purpose of encouraging and strengthening intellectual cooperation between the United States and other countries and in fulfillment of the obligations of the Buenos Aires Convention for Promotion of Inter-American Cultural Relations, this new Division will have general charge of official international activities of the State Department with respect to cultural relations, embracing the exchange of professors, teachers and students; cooperation in the field of music, art, literature, and other cultural attainments; supervision of participation by this Government in international radio broadcasts; and generally the dissemination abroad of the representative intellectual and cultural works of the United States. The Division will come under my general supervision and will collaborate with other government agencies, the National Committee on Inter-American Intellectual Cooperation, and other private educational and cultural organizations active in this general field.

It should be emphasized that the Department of State has no intention of encroaching upon activities which pertain logically to private initiative. Neither has it any intention of supplanting or diminishing the effective work which is being done by private institutions, but rather to assist them in producing more effective results toward nation-wide coordination. The new Division of Cultural



Relations will serve as a central bureau working in harmony with the foundations, societies, institutes, clubs, and educational organizations in this country which strive to improve cultural relations. The general purpose is to complete the broad structure of intellectual cooperation by supplying one of the elements which have hitherto been lacking, the cooperation of the Government in those spheres in which it can be of aid to the general efforts to promote international understanding through cultural contacts. It will also offer every possible aid in behalf of the United States in the very important Division of Intellectual Cooperation of the Pan American Union. This is in keeping with the policy followed in many other nations. In a number of the other American republics, the national committees on intellectual cooperation function in close collaboration with the appropriate bureau or division in the Foreign Office or the Ministry of Public Instruction. There are certain definite activities, the success of which must depend to a large extent on the good offices of the government. Emphasis should be placed on the fact that there is no intention of engaging in what is popularly known as propaganda. This much misused word has unfortunately attained a connotation which is distinctly undesirable. If used in its original significance as the process of propagating or of disseminating, it would perhaps be proper to employ it. Since it does have a meaning which carries with it the sense of penetration, imposition, and unilateralism, it must be repeated that this Government does not intend to engage in propagandistic activities, particularly with relation to the other American republics. The importance which is attached to the reciprocal character of our cultural relations will constitute the best guarantee against the idea of propaganda. One of the very fundamental concepts which must guide this country in its more concerted endeavor to expand its cultural relations must be the conviction that our own intellectual experience can be enormously enriched by a wider appreciation of alien cultures within the United States. Many parts of our nation are virtually cut off from cultural contacts with other peoples. One of the tasks which this Government must assume in working out a program of intellectual cooperation is the diffusion throughout this country, on the largest scale possible, of a knowledge of foreign cultural and spiritual values to the end that a greater breadth of viewpoint and keenness of appreciation may serve as one of the instruments of a more enduring peace.

While many details of the broad program for the promotion of intellectual cooperation and cultural relations on the part of the United States have yet to be worked out, it is possible to suggest the principal aspects of this work which the Department will undertake to stimulate. The new Division of Cultural Relations will direct the official international activities of the Department of State with respect to cultural relations. It will seek above all to coordinate the wide diversity of activities which are being carried on throughout the country. These activities will embrace the exchange of professors, teachers, and students; cooperation in the field of music, art, literature, and other intellectual activities; encouragement of the distribution of libraries of representative works of the United States and suitable translations of such works into other languages as well as from foreign languages into English; collaboration in the preparation for and participation by this Government in international expositions, especially in the field of art; cooperation by this Government in international radio broadcasts; and, in general, the dissemination abroad of the representative intellectual and cultural works of the United States.

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It is well to emphasize that these efforts will be reciprocal as far as is possible. It is desired that the channels be opened for the free flow of ideas and cultural production from this country abroad and from the other nations to the United States. The concept of intellectual cooperation would be incomplete if a unilateral policy were carried out, and it is anticipated, therefore, that the Division may also contribute effectively to the diffusion of a knowledge of foreign cultures among our own people.

One of the activities of the Division is the fulfillment of the obligation which the United States has assumed under the Convention for the Promotion of Inter-American Cultural Relations, approved at the Buenos Aires Conference in 1936. This convention was sponsored by the United States delegation and it received the unanimous support of the delegates from the other American republics. Besides the United States, the Governments of Brazil, Chile, the Dominican Republic, and Haiti have ratified the convention and it is expected that other governments will take similar action in the near future. This convention provides for the annual exchange by each of the contracting states of two students and one professor, so that the United States will receive each year under this arrangement forty



students and twenty professors and will send out an equal number, assuming that the convention is ratified by all of the American republics. This constitutes an important step in the way of stimulating interchange of students and professors with the other republics of this hemisphere.

The increased exchange of publications is an important phase of the work which the Division proposes to undertake. The books, journals, and reviews of the United States have a very limited circulation in the other American republics and even in Europe the movement of publications is by no means as active as it should be. It is fundamental that for effective intellectual cooperation the publications of the United States which reflect the cultural and spiritual life of this country be available to the other nations of the world. It is proposed to stimulate the circulation of such works, the establishment of libraries, and the publication of suitable translations.

In some of the capitals of the American republics, special institutes exist for intellectual cooperation with the United States; notably, in Rio de Janeiro, Buenos Aires, Santiago, and Lima. Each of these institutes is serving an important purpose. The Instituto Cultural Argentino Norte-Americano of Buenos Aires is one of the oldest and most experienced. Under the able guidance of Argentine citizens interested in the United States, this organization has stimulated the teaching of English, has formed a library of American publications, and arranges for lectures under its auspices by distinguished visitors from the United States. The I. C. A. N. A., as it is popularly known, has won a real place for itself in the intellectual life of the Argentine and represents a significant link between this country and that great South American Republic. In Brazil, the Instituto Brasil—Estados Unidos has functioned for several years. Its work and program are much the same as those of the similar Argentine organization. It is interesting to observe that this institute has offered three fellowships for American students in Brazil, a step of the highest importance since there are all too few scholarships available for American citizens interested in carrying out research or investigations in the other American republics. There is no question of the necessity of cultivating relations with this largest of South American states. The long tradition of good will with Brazil and the active interest in American affairs there make it desirable that such organizations as the Instituto Brasil—Estados Unidos prosper and expand. In Chile the Instituto Cultural Chileno Norte-Americano is of more recent

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foundation. Thanks to the active interest of numerous Chileans and to the enthusiasm of the Embassy for this work, the Institute was formally inaugurated on Thanksgiving Day with a message from President Roosevelt and the presentation of an American educational film. Many distinguished Chilean intellectuals participated in this ceremony. There is every indication that the institute in Santiago will serve to stimulate to a much larger degree our relations with this nation. The Instituto Cultural Peruano Norte-Americano of Lima is also a new organization. While not possessed of the material resources to make its work of wider scope, this institute took excellent advantage of the recent Eighth International Conference of American States to present an extensive program in the English language entitled "Panorama of Peruvian Culture". All of these institutions hold great promise for the future. It is necessary that others be established in the various capitals where they do not exist. There are indications that in Cuba such an institute is being organized, and others will probably be encouraged elsewhere. They can all serve as a means of bringing together in the various capitals those individuals who are interested in the cultural life of the United States, who have studied in this country in our institutions of higher learning or who are attracted by the intellectual production of our institutions, foundations, and other centers. At the same time, these institutes make much easier the task of developing fruitful contacts with the nations of the republics concerned. The machinery has never been built up adequately to encourage the visits to this country of intellectuals, scientists, and others from Hispanic America. Through such institutes a more intimate contact can be developed looking toward an active and mutually advantageous interchange. There is a dearth of such institutions in the American states in contrast with the relatively large number of institutions which exist for the promotion of cultural relations with Europe. It is important that cooperation and encouragement be extended to these organizations to the end that close cultural contacts may be maintained.

The twin fields of art and music offer considerable opportunities for effective cooperation. Art of the United States is known only too little outside this country, while the artistic productions of the other American nations reach people of the United States to a limited extent. In some of the other American republics significant achievements in art are being realized and with these countries suitable exchange exhibits should be carried out. American music, other than



popular dance music, has received little general hearing. Concerts and other forms of musical expression, as well as visits by individual artists, would contribute considerably to a diffusion of the knowledge of the culture of this country. The whole field of radio broadcasting offers almost unlimited possibilities for the increase of international understanding through effective cultural relations.

A very important field is that of the educational or documentary film. Quite naturally the Government in its cultural relations is interested in the non-commercial field exclusively. There are a large number of agencies within the Federal Government which are producing films. In many cases there are excellent facilities for the circulation of such films within this country. There is a positive lack, however, of encouragement for a wider distribution abroad, to schools, institutions of learning, and other centers which could use them to advantage. The Department of State in the promotion of cultural relations believes that this is a significant field which has not yet been explored as to its possibilities in the achievement of a broader understanding between peoples. In many other countries, similar educational films are available and there is a splendid opportunity for the encouragement of exchange relations which will provide the means for a larger acquaintance in this country with the productions from abroad and by the same logic with the life and thought of other peoples. It is hoped that in the case of the other American republics, considerable emphasis can be placed on this important phase of the work.

In accordance with the suggestion of the President, an Inter-Departmental Committee was established last May to examine the subject of cooperation with the other American republics, and to draft for consideration a concrete program designed to render closer and more effective the relationship between the Government and people of the United States and our neighbors in the twenty republics to the South. The Committee, which met from May to November of this year, was composed of representatives of thirteen departments and agencies, namely, the Departments of State, Treasury, Interior, Agriculture, Commerce, and Labor, and the Library of Congress, the Smithsonian Institution, the Federal Communications Commission, the United States Maritime Commission, the Export-Import Bank, the National Emergency Council, and the Civil Aeronautics Authority.

The field of cooperation with respect to each agency was thoroughly explored. As a result of its extensive studies the Committee was of the opinion that there is a wide range of activity in which the Government of the United States is in a position to cooperate with the other American republics for their mutual advantage. The Committee first surveyed the many ways in which the various departments and agencies of this Government are now cooperating with the governments of the other American countries. The Committee was gratified to find that much is already being done. Nearly every agency represented is already engaged in carrying on activities, frequently on a cooperative basis, of direct interest to all the American nations.

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The Committee next gave consideration as to how each agency might appropriately enhance the nature and measure of its cooperation. This involved the sifting of a very large amount of material and its evaluation in terms of reciprocal interest abroad—in other words, a determination of whether or not a given project afforded a practical basis for genuine cooperative effort. Following a careful examination of more than one hundred suggestions submitted, and leaving aside several for further study by the agencies concerned, the Committee made a selection of those which it considered the most important, urgent, and worth-while, and these were embodied in the annexed program. This program gives a brief description of each of the projects endorsed, together with an estimate of cost.

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The Committee has approved projects from every agency represented, and, considering that thirteen departments and agencies participated in the work, it is at once apparent that a very broad segment of governmental activity has been covered. There are projects for studies, investigations, and enterprises to be carried out in such of the American republics as are desirous of engaging in them. There are other projects to be carried on cooperatively within the United States. There are still other projects for extending the educational, scientific, and technical facilities of the several agencies.

The areas of direct intergovernmental cooperation will include those of public health; public administration; cooperation in economic, commercial, and fiscal matters; labor; agriculture; communications, et cetera.

In the field of direct intergovernmental cooperation, it is evident that a wide use will be sought of Public No. 545, 75th Congress,



which was approved last June. This Act authorizes the loan to foreign governments, at their request, of the services of civilian officials and technical experts of this Government. Thereunder, expert assistance in immigration matters is already being extended in one of the American republics, and an agricultural survey is being conducted by an official of the Department of Agriculture in another. Numerous additional requests are under consideration, and there have been many informal inquiries which may shortly result in formal requests. In the opinion of the Committee, this Act may well become a cornerstone on which many future cooperative efforts of a practical nature will be based.

The Committee believed that it would be desirable to make available to the other American republics, in Spanish, Portuguese, and French translations, certain of the publications of this Government, especially those relating to public health; educational, scientific, and technical matters; commerce; conservation, et cetera, and it is accordingly recommending that a central Translating Office for this purpose be established.

The Committee believed it desirable to indicate that its discussions were based on the premise that the republics of the New World have the same aspirations; that the welfare of the community of American nations demands their increasingly close and friendly association; and that through a program of practical, reciprocal cooperation the fulfillment of our common American ideals can be brought appreciably closer to achievement.

At a time when international relations are as complex and intricate as at the present, it is necessary that an official agency of the Government lend its aid and effort to the achievement of better understanding, mutual respect, and tolerance between this nation and the other peoples of the world, on the basis of cultural and material contacts and relationships. The promotion of active student and teacher exchanges, the establishment of libraries and research facilities, and the encouragement of all serious efforts for intellectual and spiritual intercourse constitute a significant and important instrument of peace.

This Western Hemisphere offers unlimited opportunities for the effective stimulation of interest in three of the great modern languages, Spanish, French, and Portuguese. The proximity of the Spanish-speaking countries and the access to two French-language regions, Canada and Haiti, should make possible a much broader

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program of exchange and contact than has heretofore existed. There is no question that an increase in the effectiveness of instruction in the principal languages of America is a *sine qua non* in the achievement of a program of cultural relations. It is almost trite to assert that ignorance of the vehicle of expression of a culture obviously makes impossible a comprehension and adequate appreciation of the richness which that culture represents. The Spanish language has long held an honorable place in the school curricula of this country. There is however much opportunity for improvement. Spanish instruction has unfortunately suffered from various obstructions. It was largely introduced to replace German at the conclusion of the World War and an inordinate emphasis was placed on it as a commercial instrument. There was perhaps too much importance attached to Spanish as a means of securing employment in Hispanic America and far too little on the inherent cultural value which the language holds. It is a slow and arduous process to bring about a recognition of the Spanish language as something which is worthy in itself and of the greatest importance in the secondary school and the institution of higher learning. We perhaps lose sight of the fact that Spanish is one of the most vigorous of living tongues, world-wide in its diffusion, tremendously vital in its capacity to expand, and the instrument of expression of more than twenty growing nations. Spanish and Spanish American thought, literature, and production contain a wealth of spiritual values which need to be tapped by the citizens of the United States. It may be emphasized at the same time that the teaching of the Portuguese language is a matter of the greatest importance and urgency. For reasons which are difficult to discover, the Portuguese language has never received adequate attention in this country. Outside of a handful of institutions in which it is taught, this interesting language is largely relegated to the seminars in romance philology, serving merely as an instrument for the solution of linguistic difficulties. Brazil constitutes geographically half of South America and with its forty million people is one of the most vital nations of the New World. Its language is part and parcel of its cultural heritage. It is high time that in the United States due recognition is given to the importance of the Portuguese language, rich in literature, energetic, expressive, and resourceful in mechanism, and the instrument of thought of a remarkable people. Our schools can well give Spanish an important place in the program of studies, and when facilities permit consider the inclusion of Portuguese, a



knowledge of which is vitally significant to develop closer contacts with Brazil. The past few years have witnessed a shift or change of emphasis in the teaching of Spanish, with increased attention to the role of this language in the Western world. The situation in the Spanish peninsula, with the restrictions on publications and travel, makes inevitable a growing concentration of interest in the republics of South and Central America of Spanish speech.

In spite of the apparent ties which bind the United States to the other republics of this hemisphere—the geographical proximity, institutional similarities, and general community of purposes—there are obstacles to be overcome if the achievement of a more perfect understanding is to be attained. The cultures of the United States and Hispanic America stem from two diverse trunks. The Anglo-American mind is not the same as the Neo-Latin. The Graeco-Roman tradition is infinitely stronger among the peoples of Spanish, Portuguese, and French culture than in the United States. This basic fact must, of course, be recognized. It need not constitute an insuperable obstacle. On the other hand, the differences inherent in the two cultural trends do in many ways supplement each other. Hispanic America has retained much of the most precious in the heritage of antiquity. Much that the Middle Ages bequeathed has been retained in a more vigorous form in those lands of romance speech. In the United States we must realize that this is ours to acquire and to absorb. Racial amalgamation, the fusion of peoples and bloods, has been one of the great contributions of the Spanish and Portuguese races in America. The cultural impact resulting from this process has produced variations and modifications, enriching in many ways the original Iberian stream. These are factors to bear in mind in the promotion of spiritual contacts with the republics to the South. Absolute reciprocity will permit us to enrich our own national life at the same time that we offer in return those attributes of a cultural nature of which we can be most proud.

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CAN THE UNITED STATES RETAIN LATIN AMERI-  
CAN TRADE AND CULTURAL RELATIONS  
AGAINST GERMAN, ITALIAN, AND  
JAPANESE COMPETITION?

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CAN THE UNITED STATES RETAIN LATIN AMERI-  
CAN TRADE AND CULTURAL RELATIONS  
AGAINST GERMAN, ITALIAN, AND  
JAPANESE COMPETITION?

A SERIES OF DISCUSSIONS HELD UNDER THE  
AUSPICES OF THE INTER-AMERICAN CENTER  
OF THE GEORGE WASHINGTON UNIVERSITY  
DECEMBER 6, 7, 8, 1938



THE GEORGE WASHINGTON UNIVERSITY PRESS  
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1939

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## THE INTER-AMERICAN CENTER

CLOYD HECK MARVIN, Ph.D., LL.D., *President of the University.*

GEORGE HOWLAND COX, *Director of the Inter-American Center.*

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CAN THE UNITED STATES RETAIN LATIN AMERICAN  
TRADE AND CULTURAL RELATIONS  
AGAINST GERMAN, ITALIAN, AND  
JAPANESE COMPETITION?

I

*Tuesday Evening, December the Sixth, at Eight O'Clock*

CHAIRMAN

ELMER LOUIS KAYSER, *Dean of University Students, The George Washington University*

SPEAKERS

GEORGE GRANT MASON, JR., *Member of the United States Civil Aeronautics Authority*

MAX O'RELL TRUITT, *Member of the United States Maritime Commission*

THE HONORABLE THEODORE FRANCIS GREEN, *United States Senator from Rhode Island; Member of the Foreign Relations Committee of the United States Senate*

PANEL

ALBERT W. ATWOOD, *Financial Writer*

JAMES CHRISTOPHER CORLISS, *Associate Professor of Inter-American Economics, The George Washington University*

ROY T. DAVIS, *President of National Park College; Former Minister to Panama*

FREDERIC WILLIAM WILE, *The Evening Star*

II

*Wednesday Evening, December the Seventh, at Eight O'Clock*

CHAIRMAN

HENRY GRATTAN DOYLE, *Dean of Columbian College, The George Washington University*

SPEAKERS

THE HONORABLE WILLIAM R. CASTLE, *Former Under Secretary of State of the United States*

THE REVEREND EDMUND A. WALSH, *Regent of the School of Foreign Service, Georgetown University*

ARTHUR DEERIN CALL, *Permanent Executive Secretary of the United States of America Group of the Interparliamentary Union; Secretary of the American Peace Society; Editor of World Affairs Magazine*

PANEL

HARRY FRANTZ, *The United Press*  
FRANKLYN WALTMAN, *Director of Publicity, The Republican National  
Committee*  
BARNET NOVER, *The Washington Post*  
DELBERT CLARK, *Manager of the Washington Bureau, The New York Times*

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III

*Thursday Evening, December the Eighth, at Eight O'Clock*

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CHAIRMAN

ROBERT WHITNEY BOLWELL, *Dean of the Summer Sessions, The George  
Washington University*

SPEAKERS

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WARREN LEE PIERSON, *President of the Export-Import Bank*  
P. M. HAIGHT, *Secretary-Treasurer of the International General Electric  
Company*  
WILLIAM K. JACKSON, *Vice President of the United Fruit Company*

PANEL

I.

ERWIN D. CANHAM, *Manager of the Washington News Bureau, The Christian  
Science Monitor*  
WILLIAM A. REID, *Former Foreign Trade Adviser, The Pan American Union*  
ALBERT L. WARNER, *Washington Correspondent of the New York Herald-  
Tribune*  
WILLIAM CRANE JOHNSTONE, JR., *Professor of Political Science; Dean of the  
Junior College, The George Washington University*

---

GEORGE HOWLAND COX, *Director of the Inter-American Center, General  
Chairman of the Conference*



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## CAN THE UNITED STATES RETAIN LATIN AMERICAN TRADE AND CULTURAL RELATIONS AGAINST GERMAN, ITALIAN, AND JAPANESE COMPETITION?

by GEORGE GRANT MASON, JR.

Aviation today is playing a basic and dynamic part in world affairs and no government can disregard the power of this new and vital force when considering future policies. It is my privilege, as a member of the United States Civil Aeronautics Authority, to discuss with you this evening the broad problem of Latin American trade and cultural relationships as they may be affected by German, Italian, and Japanese competition. My interest of course is primarily in aeronautics, and I believe it only proper that my remarks tonight should be limited to the role played by aviation in guaranteeing and in enhancing our position on the American Continents.

The foreign policy of our Government, under the leadership of President Roosevelt and the Secretary of State, especially as it pertains to our Latin American relationships, is that of the "good neighbor". Good neighbors are friendly. They exchange ideas and goods and they stand with a united front in anything affecting the welfare of the community. Internationally, good neighborliness includes the elimination of artificial restrictions on foreign trade and a freer exchange of goods and services between countries, the development of closer cultural and sociological relationships, and a feeling of mutual understanding and good will, all designed to promote mutual prosperity, happiness, and peace. If trouble besets one of the neighbors, the others likewise are affected. It behooves them to have the means of defending themselves, of protecting their mutual interests.

It was 115 years ago last Friday that President James Monroe enunciated his famous Doctrine. The attentions of the Government at that time, as they are today, were directed to Latin America. The opinion of Thomas Jefferson, as expressed to President Monroe, was that "America North and South has a set of interests distinct from those of Europe and peculiarly her own. She should therefore have a system of her own, separate and apart from that of Europe." Today, there is no Holy Alliance in Europe attempting to banish the theories of liberty and democracy from the earth, but, in many respects, the present situation closely resembles world affairs as they existed in 1823. Certainly it is true that the extension of certain European political systems to portions of this continent might endanger our peace and happiness. The language of President Monroe in referring to the Holy Alliance is equally applicable today: "It is impossible that the allied powers should extend their political system to any portion of either continent without endangering our peace and happiness; nor can anyone believe that our southern brethren, if left to themselves, would adopt it of their own accord. It is equally impossible, therefore, that we should behold such interposition, in any form, with indifference." It is our belief that the greatest single difference in the situation as it exists today from what it was when the Monroe Doctrine was promulgated is the existence and potential influence of aviation, for in the furtherance of the philosophy of the "good neighbor", in the development of foreign trade, and in the program of continental defense, the airplane is playing an active role.

Improved communications rapidly have been destroying such isolation as may



have existed in the world. Aviation is a branch of communications, but its sphere extends into other equally important realms. Scheduled air lines for passengers, mail, and express encircle the world, and continue to shrink distance, space, and time. No longer do we think of any of our fellow men as being far removed. American air-transport services regularly link the trade centers of Central and South America to our commercial cities. They make Buenos Aires only six days from New York, and plans for a three-day schedule are under consideration. Even today, the airplane in foreign air commerce is in the pioneering stage.

I cannot say with certainty that the airplane of the future will carry cargoes of lumber, oil, steel, wheat, coffee, or hides, but the place of aviation in the scheme of our foreign trade is much more conspicuous than the mere transportation of bulk goods. In addition to the benefits of air mail, the international personal contacts resulting from air transportation are important. Pilots, airport managers, mechanics, and aviation sales representatives intimately associate with citizens of our sister republics in Latin America. We can only surmise the number and character of the resulting social and business relationships. From the communications coming to friends and relatives in this country describing the Latin peoples, the beauties of the scenery, the customs, products, and business methods of Latin America, we can determine the understanding and good will which are the by-products of such personal contacts.

Last year, our exports to Latin America were valued at \$640,000,000 and registered a gain of 49 per cent over the previous year. Our sister American republics are the future world market, and each day there is evidence of a recognition of that fact by European nations. It cannot be debated that aviation has contributed much to the growth of our South and Central American trade. Each day last year there was an average of 300 passengers flying between the United States and the Latin American countries. The great majority were commercial travelers; many were tourists. In addition to their load of passengers, aircraft bound for the South American countries carried express equaling several hundred tons in weight—clothing, gold and silver bullion, chickens, drugs, jewelry, films, and a miscellany of articles too numerous to mention.

If the industries of this country have any trade advantages in their dealings with our neighbors to the South, they are the result of great effort, and this position of leadership cannot be retained by an attitude of indifference. The distance from South America to Europe may be said to be less than it is to the United States, and the Old World cultural and social traditions used to be closely intertwined with those of the Latin Americas. Prior to the World War, the European export merchant profited from these natural advantages, but, while all of the European industrial and trade resources were devoted to the maintenance of armed forces, the businessmen of America deflected the course of this trade toward the United States to the mutual benefit of all the Americas. For some years European business has sought the return of these markets, but our aircraft have maintained some balance in favor of American merchants. Aerial trade routes operated by American companies run the length of the Atlantic and Pacific coasts. They completely bound the continent and combine with feeder lines running into the interior. The trip by air requires even now less than one-third the time of the trip by boat, with the added advantage of many additional stopovers along the route.

In business, time is vital. By aircraft, salesmen can travel farther in the same

number of days and their interests are more widespread. Personal calls always get better results than advertisements and letters. Days formerly devoted to railroad or boat travel are now given to the customer, to an examination of his needs, his tastes, his likes and dislikes. Because business executives have found the airplane to be more rapid, healthier, safer, and more comfortable than available means of ground transportation in Latin America, higher-type American businessmen make regular trips to Latin countries, more adequately and accurately representing American industry abroad and bringing back to this country true understanding of Latin America. How long this advantage will continue is difficult to state, for the Germans run regular air-mail services from the coast of Africa to South America, and the Italians contemplate the inauguration of such a service early next year. Germany has indicated that within six months four-engined land planes will carry passengers regularly from points in Europe to South America. It remains, then, for American business and aviation to accept this challenge.

The export business is only one side of foreign trade. There must be imports to equalize the balance. Knowledge of foreign products resulting from pleasure and vacation tours in Latin America creates a domestic market, and the tourist who returns with distinctive articles from abroad is a potential salesman of those products to every one of his friends. Given the demand, someone will always furnish the supply.

Latin American countries do not have extensive railroad or highway systems. Consequently, the use of aircraft for commercial and pleasure purposes is becoming increasingly popular. An interesting example of the use to which an airplane is put in South America is to be found in the reopening of the Aramayo mine, high up in the Bolivian Andes. Not since the days when the Spanish conquistadores worked the mine with slave labor and on human pack trains carried the gold over steep and treacherous mountain trails have the resources of this mine been made available to the world. When the slaves were freed the natives refused to work the mine, and the obstacles to extracting the gold and bringing it to civilization were such that the mine was abandoned and forgotten. Recently it was rediscovered, but it still remained inaccessible. The descendants of the slaves who used to work the mine refused to suffer the hardships of their ancestors. To place the mine on a paying basis modern machinery was essential, but how to get it there seemed an insurmountable problem. First they tried the llama, the Andean beast of burden, but the llama sits down when it is given a load of over sixty pounds. The burro was next, but the high altitude made him less useful until someone suggested a means of supercharging by giving him an extra set of nostrils by opening holes in the nasal cavity. Still the burro could carry only eighty pounds, and with llama or donkey it would require eight years to pack in the necessary equipment. Then someone suggested the airplane. Landing fields were cleared. The seats were removed from a trimotor airplane, converting it into a flying freighter, and in one hundred days it did eight years' work transporting over a million pounds of mining machinery, flying in less than thirty minutes a route that had formerly required almost ten days over man-killing mountain trails.

Most of the aircraft used in civil pursuits in Latin America have been of American manufacture, and a knowledge of the diversified services to which the airplane can be put has opened a vast potential export market. Last year the value of exported aircraft and accessories from our country placed it sixteenth in



the list of our products shipped abroad. For the first six months of this year approximately one half of all the aircraft manufactured in this country were for foreign markets, and the value of these airplanes is certain to place aeronautics products higher on the scale of exported products than before. Hence, aircraft production occupies a place of real importance in our nation's economy, and the continuing struggle for the supremacy of our foreign aeronautical market is bringing with it interesting implications of wider trade movements and the dissemination of political philosophies.

The importance of civil aviation domestically and abroad was recognized by Congress when this year it enacted the statute creating the Civil Aeronautics Authority, composed of five members. Within the Authority's organization are an Administrator and an Air Safety Board, each independent of the Authority with respect to the exercise of certain powers conferred on it by statute. In August of this year, jurisdiction over all phases of civil aviation was transferred to this organization. In the declaration of policy Congress requires the Authority to consider the encouragement and development of civil aviation adapted to meet the present and future needs of the foreign and domestic commerce of the United States and of the national defense as being in the public interest. In determining these needs as related to our relationships with Latin America, it is necessary to consider recent events in Europe.

As one of the members of the Authority and as Chairman of our Committee on Foreign Problems, I was designated chairman of the American delegation to the Fourth International Conference on Private Air Law held at Brussels, Belgium, on September 19, 1938, to consider such peaceful matters as salvage of or by aircraft at sea, insurance, and collisions. Representatives of thirty-seven governments attended the conference, and friendly discussion of mutual civil-aviation problems clearly revealed that man-controlled flight itself most emphatically does not create disagreements between peoples, but tends to foster more intimate and sympathetic understanding among them. The conference continued through September 28, 1938, at which time it appeared that certain European nations were on the verge of war, a situation induced and controlled in no small measure by the very same force—*aviation*—which so peacefully was being considered in Brussels. Left free to follow its proper destiny, aviation becomes a mighty civilizing force promoting good neighborliness, trade, and peace; diverted into false channels of aggression, it may become a deadly instrument of destruction, plunging mankind back into barbarism.

Following the Brussels conference I was privileged to represent our Government in making a survey of aeronautical developments in Belgium, France, Italy, Germany, The Netherlands, England, and Ireland, and I had occasion to discuss our common interests with the leaders of aviation in these countries. The survey trip following so closely on the heels of the Munich agreement made it impossible to overlook the great emphasis placed on the divergent potentialities of human flight. In Italy and especially in Germany, basic aviation research and the production of aircraft have progressed to the point where national needs not only are being met but in many respects exceeded. Virtually all able-bodied young men and many of the young women are being trained as pilots. Efficient and ultra-modern aircraft are made available for their use.

These vast aeronautical developments of the totalitarian states should not be viewed by us emotionally, nor, on the other hand, should we close our eyes to their existence. Rather, we should resort to our competitive spirit to accelerate and



encourage intelligent scientific progress in the maintenance of our margin of technical superiority.

The present policy of Germany and Italy with their extensive aeronautical research and expanded production schedules has resulted in an intensified program for the export of aircraft, accompanied by trained personnel. What is the possible effect of the situation upon the sister republics of the Americas?

I have spent eleven years in aviation in Latin America, with some consequent understanding of Central and South America and the West Indies. It is out of place for me here to mention the intense Japanese activities in Latin America, for apparently they have no obvious direct or immediate relationship with aeronautics. Germany and Italy, on the other hand, not only have maintained various forms of aviation enterprises in Latin America but it is now evident that their plans are to be intensified and extended greatly in the near future.

Italy intends inaugurating an air-transport service across the South Atlantic early next year and extending the route to various Latin American countries as rapidly as circumstances permit. Many Italian airplanes already are in use in South America, and efforts are being made to deliver additional air fleets soon. Scadta, established in Colombia by the Germans, was the first successful commercial air line in the world. German companies operate regular schedules in almost all parts of South America, connecting with Lufthansa's South Atlantic service at Natal, Brazil. Like the Italian lines, efforts are being made to extend further the German routes. New aircraft of the latest design with greater speed and comfort for passengers are being placed in service, offering passenger transportation below competitive rates. Their activities are not confined to commercial air-transport aviation; several special missions are in capitals of Latin American republics, aeronautical students are invited to Rome or Berlin for extended courses of study, and military and private civil aircraft are sent to the American republics under favorable long-term barter arrangements, in exchange for oil, coffee, tin, nitrates, or other commodities.

It is not alone the fact that European air lines and aircraft are at our borders which should give us cause for thought and perhaps alarm, it is also the penetration into South America of pilots and technicians who receive training in diplomacy, languages, economics, foreign trade, and politics. The time has passed when it can be doubted that aviation is being used by Italy and Germany as one of the means of winning vast trade markets and perhaps gaining a political foothold to the South of us.

It is impossible for the United States longer to maintain faith in the security of a geographical isolation—an isolation which no longer has any reality, for, with the infiltration into South America of European aircraft and airmen, the natural barrier of the Atlantic Ocean offers little or no protection.

This country's aeronautical export markets in Latin America cannot be maintained exclusively by the employees of American air-transport companies or by tourists and commercial travelers. They can be retained and augmented only by the cooperative effort of the Government, of industry, and of the American public. It has never been and is not now the character of our people to sit idly by while events prejudicial to their interests are occurring, especially when remedial measures may be economically advisable and entirely peaceful in their nature.

The Civil Aeronautics Authority has been joining wholeheartedly with other agencies of our Government in contributing to a program aiming to insure the

prosperity, happiness, peace, and security of the Americas. Among the many current activities of the Authority in creating and maintaining a dominant and helpful position for civil aviation of the United States in the world, and especially in the Americas, I will mention only a few. Members of the Authority participate in such divergent governmental activities as the National Advisory Committee for Aeronautics, which undertakes basic flight research at Langley Field, Virginia, and the Special Interdepartmental Committee for the Promotion of Cultural Relations with the American Republics. The entire national air-line system of the United States is undergoing careful scrutiny and study by the Authority, in order that financial and operating improvements may be introduced wherever indicated. The problem of North Atlantic air-transportation service to friendly nations is being reviewed in the hope that regular services soon may be inaugurated. Existing United States international air lines will be augmented, speeded, and improved as rapidly as possible, working toward even closer understanding with our American neighbors. The more rapid and frequent exchange of people, mail, and goods by air cannot but foster trade and cultural relationships.

In this connection, it would not appear amiss to make reference to the meeting of the Inter-American Technical Aviation Conference held at Lima, Peru, in September of last year, attended by representatives of the United States and Latin American countries. A Permanent American Aeronautical Commission, popularly known as CAPA, was organized. Its members are composed of jurists and aviation experts, appointed by their respective governments. The objectives of this Commission are the unification and codification of international public and private law applicable to aviation; the coordination and development of mutual interests in technical subjects related to aircraft, pilots, airways, and air-navigation facilities; the establishing and extending of inter-American air routes; and the coordination of local air services as between themselves and with respect to the international air lines rendering through services.

The Authority is working actively with the State Department in the promotion of the program of CAPA, for much can be done through this organization in the development of inter-American relationships. Among other matters considered at the Lima Conference last year were questions relating to simple tourist cards or passports to be accepted by all countries; the stimulation of tourist traffic; simplified procedure for handling goods and merchandise in international trade to expedite their movement; simplification of procedures affecting customs, dispatching of merchandise and payment of duties; and the increasing of the schedules of international air-transport companies to the end that better and more efficient means of communication may exist between the American republics. We believe that a unified system of air transportation on the American Continent and the resultant binding together of the sister republics, is in itself the most effective means of meeting European competition.

One of the most important current activities of the Authority relates to the expansion of private flying in the United States. The Authority has been exploring this field to determine what can be done to encourage and develop this phase of aviation. Realization that certain European countries are greatly more advanced in private flying than we are, combined with recently disturbed world conditions, has given our program added impetus. Any program that is fostered by the Authority must be so soundly conceived and executed that it will be continuing and lasting.

Unfortunately, the impression has been broadcast that such a plan already



has been or immediately will be put into effect. The facts are that the Authority intends to proceed without undue haste and proposes to try out on a small scale in a few established educational centers, which already have pioneered in this field, a method of training that can be expanded on a nation-wide scale if it proves as sound in practice as it now appears in theory. The first year will be devoted to primary courses in flying. In subsequent years, in order to protect the investment already made in flight training, the students will be given additional flying time. Civilian pilots in great numbers will promote civil aviation as never before in this country and also will represent a reservoir of fliers for national defense. Through the full use of existing agencies there is no reason why an additional 20,000 pilots and an equal number of mechanics cannot be trained every year.

Obviously, any market which is being supplied adequately by one source need not turn to another. The Authority is committed to the policy of assisting American aircraft manufacturers to the best of its ability in the exportation of aircraft under existing laws and regulations.

An expanded private-flying program will stimulate the production of different types of small, safe, and efficient planes in large volume, and this in turn should enable our manufacturers to offer improved types for sale abroad.

A happy illustration of the results to be obtained from the cooperative efforts of the Government and industry occurred within the last three weeks when the Authority had the opportunity to entertain in Washington a mission from a South American country, interested in the expansion of its national air lines and the purchase of appropriate airplanes from Germany or the United States. Prompt and effective assistance was given by other branches of the Government, including the State, War, and Commerce Departments, the Export-Import Bank, and the National Advisory Committee for Aeronautics. The aviation industry unselfishly coordinated its efforts in aiding the Authority. The mission completed its assignment in record time and to the satisfaction of its government. Within ten days from the date that the mission was invited to Washington, new American transport planes with spare motors and parts were purchased. Experienced American pilots were made available for employment, and it was agreed that an American aviation mission would be sent to that country.

I mention this occurrence only to show how prompt cooperation between industry and the agencies of government, combined with an attitude of sympathetic friendship, can do much in solving the general problem now under discussion. The Authority is ready and eager to continue and to intensify such a program—a program designed to meet immediate needs and at the same time avoid the vices of overexpansion—in short, a program that will make the aviation industry a stable and profitable business.

We believe that cooperation in aeronautic matters in our own hemisphere, taking the fullest possible advantage of the national program now under way in our own country, will prove economically sound and in the long run the least expensive single method of promptly and effectively meeting the most serious competitive threats from Germany, Italy, and Japan. Such a method suitably lends itself to all other programs developed by our citizens and our Government for the retention and development of foreign trade. Cooperative effort by this Government as evidenced by the delegation recently dispatched to attend the conference to be held in Lima, Peru, this month, and the consequent better understanding of Latin America, its people, its problems, and its culture, is in accord with traditional American practice. We of the Civil Aeronautics Authority



believe that such cooperative effort will make secure the vision of James Monroe and permanently will insure to the peoples of the Western Hemisphere the right to work out their own destiny in their own way. It is an evidence of good neighborliness and the fulfillment of our foreign policies. It will strengthen our territorial security and bring to the American Continents prosperity, happiness and international good will and lasting peace.

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## THE "GOOD NEIGHBOR" POLICY AND THE UNITED STATES MARITIME COMMISSION

by MAX O'RELL TRUITT

I wish at the outset to commend The George Washington University for making possible this series of discussions on inter-American affairs. I am sure they will be most helpful. That they are significant is obvious. They can be one means of acquainting the citizens of both the Americas with the aims and advantages of democratic ideals. They are particularly important in the stimulation which they give to an intelligent review of the problems confronting the two continents.

The question before us tonight carries, it seems to me, rather a negative implication. Therefore, I am going to begin at the end, so to speak, and answer the question at once. I want to answer it positively. I am convinced that we CAN retain trade and cultural relations with our neighbors to the South against German, Italian, and Japanese competition. What is more, I am confident that we can advance very substantially along both lines to the material and political benefit of the twenty-one American republics.

The United States Maritime Commission is directly interested in the progress and development of the "good neighbor" policy. We have made studies of certain aspects of it. We are keeping in close touch with affairs in the other Americas, particularly in respect to transportation. We are seeking to increase travel and commerce through the institution of greatly improved shipping services. Only by knowing each other can the two continents advance along parallel courses in the development of free government.

It is abundantly clear to me that the perpetuation of the democratic process is coming to be an ever greater responsibility of the Americas. If it is to succeed we must make it succeed. We must resist the totalitarian doctrines. If we fail, we shall have submitted to them.

But let us get back to our topic: the "trade and cultural relations" existing between the United States and our neighboring republics to the South, and the corresponding relations between the totalitarian states and those same republics. For a number of years, Germany and Italy have had substantial colonization schemes in certain South American countries. This effort at economic penetration has been advanced and strengthened by the instrumentalities of finance and communication, generously applied. Japan also has looked upon these countries to the South as a kind of annex to which she might transfer large numbers of her people and thus expand her empire.

Germany and Italy have made politics, political ideologies, practically their most important export to South America. Many of their other manufactured products have been laid upon docks and pierheads in those countries at a loss—just to get them in. That is part of their propaganda effort. The pecuniary loss incident thereto was, no doubt, charged off to advertising.

Those of us living in one of the few remaining democracies upon this earth are thus confronted with a novel kind of imperialism. Its very novelty has had a certain appeal. The alleged attractions of the forms of government indulging in this means of conquest must be answered with more than preachments. That is not to say that force is desirable. It is not. But it does mean that for the people of both North and South America, democracy must offer more than

history and more than fine words. As man cannot live by bread alone, neither can he clothe and feed himself with phrases, noble as they may be in their design to promote the ideals of liberty. Democracy must continue to demonstrate that *it works*. And I do not want to be understood to imply that democracy is static. I know, as we all know, that it is not perfected as yet. But my point is that what we *have* must be made to work and by its works show progress toward the ultimate goals of freedom and liberty in the best and most civilized interpretations of those concepts.

The penetration of Germany, Italy, and Japan into South America has not been successful to anything like the extent desired. But that is not to say that it can be ignored—or even looked upon complacently by us. We see today the expenditure of large amounts of money and energy directed at sowing the seeds of Fascism in South America.

The air has become, perhaps, the most important instrument in this advance. Airplanes and radio stations are promoting totalitarian doctrines and interests daily in South America. And I am sure that those of you who listen to the radio here are aware that we ourselves do not escape the diatribes shot round the world by Berlin and Rome.

It is, however, upon our neighbors to the South that the burden of this radio propaganda falls most heavily. It is in those countries, particularly, that the totalitarian states wish to sow discontent with established governments. The intensity of their activities in this direction is indicated by the flood of small, cheap radios manufactured in Germany and capable of receiving only German broadcasts. Reports from South America indicate that in the more sparsely populated regions outside the cities these radios are distributed free in cases where the inhabitants are unable to purchase them. With his new German radio installed, the citizen in South America hears violent attacks upon democracy in general, the United States in particular, some of them done with the utmost skill and subtlety, others in the nature of a broadside. They come over the air in both Spanish and Portuguese. They blanket out American broadcasts. This is accomplished through an arrangement of wave lengths which finds a weak five-kilowatt American signal flanked on each side by the much stronger fifty-kilowatt projections from Berlin. It would seem that none but the ignorant could be indifferent to the ultimate success of the German short-wave technique in laying down this barrage of propaganda, especially upon the ears of the uninformed and those remote from the centers of population.

We may grant that these countries are entirely within their rights in promoting their national interests, or what they consider them to be; it may also be said that we in North and South America may be quite wrong in permitting them to go unanswered. But what, you ask, should be our reply?

At least one reply was suggested by President Roosevelt on his visit to South America in 1936. Speaking at Montevideo, the President recognized the inadequacy of travel service between the two continents. That it had been and was inadequate certainly no one even slightly familiar with the circumstances could deny.

As a measure of our failure, consider that from July 1, 1937, to June 30, 1938, fewer than 600 non-immigrant visas were issued for the entrance of Argentineans into the United States, fewer than 375 for Brazilians, and only 104 for Uruguayans, and of this last group, more than half were diplomatic visas. This rather



astounding lack of travel from South to North was due in great measure to this inadequacy of shipping services.

President Roosevelt in that speech at Montevideo said: "I have been impressed with the immediate need for better and quicker services of travel and communications between North and South America. I look forward to the day when instead of this being a long and unusual journey, visits between the nations of South and North America . . . will be so usual and simple that tens of thousands of our citizens will meet each other in friendly intercourse every year."

That was in 1936. On October 8, 1938, there sailed from New York the modern turbo-electric liner *Brazil*. This was the inauguration of the Good Neighbor Fleet of the American Republics Line. That ship and her two running mates, the S.S. *Uruguay* and the S.S. *Argentina*, had been acquired by the United States Maritime Commission, reequipped and outfitted specifically for the service between New York and the East Coast of South America. These liners are comparable in their passenger accommodations to any ship of their class flying the flag of any nation.

I am indulging in some considerable detail here because I said a moment ago that the penetration of Germany, Italy, and Japan into South America could not go unanswered. Therefore, I am touching upon the Good Neighbor Fleet as a concrete example of one kind of answer which we must make. That it was a good one seems to have been confirmed by the reaction which we have had from South America.

Aboard the S.S. *Brazil* when she sailed was an official mission representing the United States and carrying the greetings of our people to those of Brazil, Uruguay, and Argentina. President Roosevelt designated the Honorable Breckinridge Long as Ambassador Extraordinary on special mission for this occasion. Other members were Chairman Emory S. Land of the Maritime Commission; Henry A. Wiley, a member of the Commission; Chairman Schuyler Otis Bland of the House Committee on Merchant Marine and Fisheries; and William C. Burdett, United States Consul General to Brazil.

As a practical indication of the response which the Good Neighbor Fleet has aroused in South America, let me say that within the space of a few weeks over eight thousand inches of space were given to it in the newspapers of Brazil, Uruguay, and Argentina. And this was no mere sop to the United States. The S.S. *Brazil* was news. And more often than not it was front-page news.

The arrival of the *Brazil* was the occasion for state dinners and public receptions in the three countries, and attendance was most impressive. The public receptions were what might be described as dramatically enthusiastic.

I should like to quote from the remarks of President Baldomir of Uruguay when he replied to the greetings brought to his country by Ambassador Long. The spirit of his remarks was typical of those of high officials in the other countries. They contained sincere expressions of hope along with the suggestions of certain very real problems with which we are faced. But I feel that the spirit which predominated is excellent assurance of prompt solutions. The Chief Executive of Uruguay said:

This line of goodwill established today tends to harden the ties which unite the nations. . . . I hope it will actually be so. Or I should better say, that I desire it most profoundly, and I trust that deeds will very soon prove us right. As you have so fortunately remembered, Mr. Ambassador, a mutual knowledge favors and stimulates fruitful solu-

tions. The better we know each other the greater shall be our affection, and with more productive celerity shall emerge our agreements.

I well know, however, that even the most beautiful and necessary initiatives present difficulties in their development. In the same way as in order to obtain a commercial policy of vast proportions and reciprocal concessions, it is necessary to contemplate interests, customs and established traditions, so also to enjoy an abundant interchange of merchants, technicians, tourists and intellectuals, it is necessary to overpower troublesome economic and financial complexities.

It would be difficult to find in Uruguay a person who would not be anxious to know the United States; its representative men, its populous cities, its great manufacturing establishments, its notable cultural centers, and its stupendous road nets. But there are very few who up to now have been able to satisfy that desire. Language difficulties are lessened in a friendly nation; means of communication are utilized or bettered as in this happy case. But the perceptible differences in the standard of life; the considerable depreciation in monetary questions; and the difficulty in the obtaining of exchange, constantly conspire against this healthy interchange.

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To a very considerable extent President Baldomir's remarks conveyed the sentiments given voice by other officials in the other countries visited. For that reason I feel that it is most fortunate that there opens at Lima, Peru, this week an inter-American conference which cannot help but strengthen the ties between the Americas as a result of the friendly atmosphere in which it has been called.

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And I am confident that this strength will be increased by deeds as well as words. The problem of currencies is, as President Baldomir intimated in his remarks which I have quoted, one of the greatest handicaps to both travel and trade between North and South America. In that connection, I should like to touch upon what appears to me to be the folly of the present barter system by which Germany, for one, seeks to promote both her trade and cultural relations with South America.

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It is my opinion that the use of blocked or ASKI marks by Germany must work to the serious disadvantage of those countries to the South of us which, to a great extent, have been forced into the deals by economic necessity. Today Germany, to increase her own exports to South America, is apparently importing considerably more Latin American commodities than the Reich can of itself consume. So, what is happening? Germany is offering many of these South American products upon the free markets of the world. It therefore becomes apparent that South America is, under German auspices, forced to compete against itself. The disadvantages of such a course are obvious.

The barter scheme will ultimately force Germany down some peculiar avenues. She must be willing either to sell her products at less than their world market value by buying her exports with them at a premium; or to obtain free exchange she must be willing, in effect, at least, to reexport the surplus imports at a discount; or she must endeavor to reexport such surplus through secondary barter at a price exceeding, and in competition with, the free world market. Selling her own products at less than their market value would seem to tend toward impoverishment of her own people. Reexporting surplus imports at a discount is selling at less than cost; human experience would indicate that selling at less than cost cannot be pursued indefinitely. To reexport surplus imports through secondary barter in competition with a free world market is, we may assume, impossible. Thus, we may conclude that the German barter system can produce about as sound and permanent economic results for all concerned as a chain-letter racket.

As you know, German products are transported to South America in German



ships, Italian products in Italian ships, and I am sure that you are familiar with the vigor of Japan in developing her merchant marine. In addition to increasing their world tonnage and speed the Japanese have launched an intensive campaign to secure the coffee tonnage from Brazil and Central American countries to the United States. This offers a serious threat inasmuch as prices quoted per ton for cargo carried are just one-half those maintained by American lines. While our previous services to the East Coast of South America had been gravely inadequate, the German, Italian, and Japanese increased and bettered their own. Now, however, the Maritime Commission has established an excellent and necessary service from New York to these neighboring republics, and in a comparable way other American-flag services between the Gulf and the Pacific and the East Coast of South America will be improved.

The Mississippi Shipping Company, for instance, operating from the Gulf to that coast, is about to construct three excellent combination cargo and passenger ships to augment its present large fleet. The Pacific-Argentine-Brazil Line, sailing from the West Coast of the United States to the East Coast of South America, is likewise about to begin a substantial construction program to increase the efficiency of its operations. The Grace Line, which serves the West Coast of South America from New York, also contemplates augmenting its fleet.

These developments, little known for lack of the spectacular and dramatic in their inception, are, however, of the utmost importance. They cannot but have a highly stimulating effect upon both trade and cultural progress between the Americas, North and South.

Contrary to what many people believe, the United States has long had very active trade relations with our neighboring republics. Since the earliest days of our independence we have been a large importer of Latin American products. We are the best customer today of a dozen or more of those countries and at least the second-best market for most of the others. Further, despite the aggressive competition of other nations in this trade, the figures show that the Latin American republics purchased more from the United States in 1937 than from Great Britain, Germany, Italy, and Japan combined. Our share in that trade was nearly 35 per cent as compared with 14.1 per cent for Germany, which stood second.

All this is on the trading side of the picture. On the political and cultural side stands the Monroe Doctrine. This famous declaration may be said to be the first manifestation of continental consciousness in America. It was a bold and gallant gesture. It was directed against the Holy Alliance, which represented absolute forms of government.

The series of unfortunate events which followed it cannot in any way be attributed to the spirit by which it was motivated. "Dollar Diplomacy", promoted by the unscrupulous in the interests of unconscionable exploitation, was in no way akin to either its intent or its purposes. It has been "Dollar Diplomacy" that has created a great deal of justifiable apprehension among the republics to the South. But for this, they long ago would have warmly and without reservation embraced a sound Pan Americanism. And when I say Pan Americanism, I do not mean the kind which can be regarded as a one-way street. The interests and, to a very great extent, the destinies of these two great continents run parallel. Injury to one must frequently be injury to all.

Through travel and the development of the arts and instruments of peace which flow from a healthy trade and commerce, the mutual understanding



necessary to a sound growth of democracy is possible. Given these conditions, the "good neighbor" policy as applied to the Americas becomes a reality. It is greatly strengthened. It achieves the status of an ideal to which the peoples of the two continents may aspire with a hope of genuine realization. And it is upon the complete realization of these ideals and all that they mean that the future of free government throughout the world must depend.

G

W

I.

## OUR TRADE AND CULTURAL RELATIONS WITH THE OTHER AMERICAN REPUBLICS

by THEODORE FRANCIS GREEN

I welcome this opportunity to take part in the friendly, stimulating discussions of the George Washington University Inter-American Center. There has been a great deal of misinformation circulated about current thought and activities in the other American republics; the American people are not generally aware of the extent to which our own relations with the other American countries have been strengthened in recent years. The many aspects of trade and cultural relations between our own country and the other American republics deserve the most careful study. It is important that the citizens of the United States be given every opportunity to acquire accurate and full information with respect to the problems involved, because an intelligent and informed public opinion exerts a great constructive moral force in international relations today. Therefore, I am convinced that public forums like this for the discussion of matters of fundamental concern to our country serve a most useful purpose.

There has been encouraging progress during recent years toward reaching a sound knowledge and understanding in this country of the peoples, institutions, and problems of the other American republics. This applies not only to members of our Government but to an ever-increasing number of our private citizens. At the same time, much more attention is being given to a fair presentation to the other American nations of our own life, institutions, and points of view. This reciprocal understanding is essential if any specific program involving mutually beneficial trade and cultural relations is to be worked out among the American republics.

Many of our citizens, when reading or listening to discussions of activities in the other American republics, do not seem to realize that our friends and neighbors to the South of us are as independent in their spirit as we are; that they are as jealous of their national liberty as we are; and that they would sharply resent any indication of intent to infringe on their national sovereignty.

As a member of the Senate Foreign Relations Committee, I can assure you that our Government is fully aware of the fact that the people with whom we deal in the twenty republics to the South of us are alert, thinking people. We have found them disposed to be cooperative. But they—like ourselves—do not want to have the methods of cooperation dictated to them. They are anxious to be friendly, but they want to be sure that a show of friendship by others is not a mask for an attempt to take advantage of them. In short, we believe that these nations think and act in essentially the same manner as do individuals. There is, however, one very important difference. When a nation becomes resentful of interference in its affairs by another, it can build up a higher wall of defense around itself than can an individual.

Our neighbors to the South are not interested in friendship unless it is genuine and cooperative, and they are suspicious of interchange of trade and ideas with countries in which the liberty of both trade and cultural thought has been restricted in a way alien to the Americas.

The statement of our foreign policy as voiced by President Roosevelt in his first inaugural message has met with unanimous expressions of approval in the

other American republics. The President then said: "In the field of world policy I would dedicate this nation to the policy of the good neighbor—the neighbor who resolutely respects himself and, because he does so, respects the rights of others—the neighbor who respects his obligations and respects the sanctity of his agreements in and with a world of neighbors."

This policy has provided the foundation upon which our Government has sought to encourage friendly relations, based upon confidence and mutual advantage, between our neighbors to the South and our own country in many fields of activity. Specific applications of this policy abound: One is the abrogation of the so-called Platt amendment which gave this country the right of intervention in Cuba, another is the liquidation of the intervention in Haiti, still another is the signature of treaties pledging the American nations not to interfere in each other's internal and external affairs. All these actions served to dissipate much of the suspicion that had existed with respect to the motives and policies of the United States in inter-American relations. The action taken and the agreements signed at the Seventh International Conference of American States in Montevideo in 1933 and at the Inter-American Conference for the Maintenance of Peace in Buenos Aires in December 1936 resulted in very decided progress in inter-American relations. These facts and the policy on which they were based have been productive of great and favorable results. Instead of the old feeling of fear of the "Octopus of the North" there is a new feeling of friendship for the sister American republic. The "Big Stick" has given place to the "Good Neighbor".

Last summer I took a trip through South America and had an opportunity to get first-hand impressions. My trip was not only pleasurable but also instructive. I was greatly impressed by the general feeling of friendship toward this country on the part of both peoples and governments. I was the fortunate recipient of many courtesies and honors because of the fact that I was a high official of this country, and this offered an opportunity to them to make friendly gestures to the country I represented, though only informally. In fact, the extent to which they went in this way was quite exceptional.

My private talks with public officials, newspapermen, businessmen, and others led me to understand the growing conviction that, despite some differences, among the republics of this hemisphere have common interests which can best be protected by common action—that this New World is separated from the Old World not only physically by broad oceans but also spiritually by different conceptions of government and of the inherent rights of human beings.

These "common interests" I have mentioned lead to the development of a system of international relations in this hemisphere which is based upon such solid principles as the maintenance of peace and the pacific settlement of all international disputes; respect for the independence, sovereignty, and equality of states regardless of their size and power; and equality of treatment in economic and trade matters. There is every reason to hope that this inter-American system can be maintained and strengthened. However, there must be clear thinking and broad and statesmanlike action with respect to the many complex problems which must be solved. While the basis exists for genuine and mutually beneficial inter-American cooperation in a very broad field of activities, there naturally are conflicting national interests which must be reconciled.

Of the major fields of inter-American relations one relates to trade and



another to cultural interchange. In both of these fields there are encouraging factors, but much remains to be done to develop and extend what already has been accomplished.

To implement commercial policy the Secretary of State, Mr. Cordell Hull, inaugurated the trade-agreements program on the basis of legislation enacted by the Congress which authorized the President to reduce tariff barriers within certain limits. To modernize the transportation of ocean freight and passengers, the United States Maritime Commission was created by the Congress to undertake the reorganization of shipping under the American flag. To meet the competitive efforts of the other countries in the extension of medium and long-term credits for export sales, the Export-Import Bank was established by the Congress to supplement the credit facilities of private organizations.

In addition to these broad measures, you may recall that legislation has recently been enacted by the Congress to enable these other American countries to borrow on request the services of technical experts in our own governmental service. A number of requests have already been received for experts to assist toward developing certain phases of the national economies of some of the American countries, and it appears that this method of cooperation may provide an effective way of distributing the benefits of many scientific and technical developments which have proven their value in our country.

There is keen competition in the markets of the other American republics. But the liberal trade policy of the United States, backed by an even more fundamental policy of fair play and fair dealing and supplemented by such helpful measures as those I have just mentioned, is more than holding its own. This is one of the situations concerning which misinformation has been circulated. One hears many indefinite remarks about the tremendous extent to which our trade has suffered because of the intensive subsidized competition of other countries. Actually, trade statistics, available to anyone who wishes to request them from the Department of Commerce, show that our share of the total import trade of our American neighbors increased from 31.5 per cent in 1936 to 34.3 per cent in 1937. It is true that Germany is the principal competing supplier of goods to these countries, but the German share of total imports of the twenty republics declined slightly from 15.4 per cent in 1936 to 15.3 per cent in 1937. The United States is the principal supplier of almost every one of the twenty republics. Even though some of our competitors have increased their trade in recent years, our trade has also increased proportionately both in South America as a whole and in each of the South American republics also.

An important part of this general trade increase has been due to the machinery which was set up to assist our trade program. It is apparent that the increases in trade have been considerably larger where duties have been reduced and bound by trade agreements. We now have such agreements with exactly half of the twenty republics, and I understand that negotiations and preliminary discussions are proceeding with several of the others.

The other forward steps I mentioned—improved shipping and credit facilities—have scarcely had time to prove their efficacy, but their progress is already encouraging. The Maritime Commission has labored diligently and effectively to place three of the finest ships under the American flag in service between New York and Brazil, Uruguay, and Argentina. These ships, which have been given the names of the countries which they link to the United States, are approximately

the same size as the *Manhattan* and *Washington*, which are in the trans-Atlantic service. The first of these newly conditioned ships, the *Brazil*, left New York on October 8, and the third, the *Argentina*, is just now returning from its maiden voyage.

The President of the Export-Import Bank has recently returned from a visit to the countries of South America to explore ways in which existing credit facilities can be supplemented most effectively by the Export-Import Bank.

For many years we have had a firm competitive position in the markets of the other American republics so far as quality is concerned, and there has in recent years been a decided effort to improve our sales service to meet the special requirements of our Southern neighbors. In general, our exporters are now shipping with more rapidity than those of any other nation, and our shipping facilities are ample to avoid delays at our ports. For more rapid express and passenger service, an American air line provides excellent transportation to every one of the American republics, the schedule having been extended during the past year to include the last one of these countries not previously served.

There are certain restrictions to our trade with some of the American republics due to protective exchange-control systems and other devices created under the exigencies of the world-wide depression a few years ago. However, we can be confident that our program is an effective one, not only to retain trade in competition with the carefully controlled exports of certain of the great manufacturing nations, but to reduce gradually the barriers which have been set up in the way of trade in general.

We believe, in principle, that progress can be effected only by cooperation and interchange, not only in trade and business but also in cultural and intellectual fields. There are now encouraging signs that the new spirit of cooperation is growing in the Americas. The very fact that you and many other Americans like you are interested in what is going on in the other American countries is a new and significant development. Until comparatively recently, our people seemed to have little desire to know more than a few simple facts about these neighboring countries. Apparently, our people were so busy building up our own industries, and developing our own natural resources that we overlooked for the time the great mutual advantages to be gained through more genuine cooperation and interchange with the twenty other republics of this hemisphere.

I do not need to argue the desirability of interchange of ideas and culture with you whose minds are thoroughly attuned to this now basic principle. But the desirability of such interchange with the countries to the South of us is enhanced by their development—long before the American colonies were even founded—of a unique culture. We have perhaps developed our material resources to a greater extent than they. But material resources are not an end in themselves, and our neighbors to the South have developed certain happy faculties of getting the most out of life from which we might learn a great deal to our advantage.

Only last July, a new division was created in the Department of State to encourage and strengthen our cultural and intellectual relations with these peoples and to coordinate the excellent work already being accomplished by useful private organizations. Some of these, such as the Inter-American Center, are already equipped by the background, ability, and enthusiasm of their members to act effectively in the field of intellectual relations. The new Division is organized to encourage work already begun in exchanging professors, teachers, and



students, and to stimulate at every opportunity cooperative activities in all intellectual and cultural fields.

In a number of the South American countries I visited last summer—or should I say “winter”, for it was winter there?—I noted the great influence of European culture and the almost complete lack of any influence of corresponding North American culture. In fact one might well excuse the resident of those countries for not recognizing the existence of any culture in the United States of America. While lecturers from France and Italy and Germany were numerous and there were some from other European countries, I ran across none from my own country. In different countries I found French plays being staged by a French company; a very fine exhibition of Italian industrial art and Italian opera; concert groups from various European countries; and everywhere Italian and German radio sets distributing songs and music and talks and speeches of their homelands. In fact, if any North American speech of significance was broadcast, it was almost surely drowned out by programs sent over more powerful radios from Rome and Berlin. The Museum of Fine Arts in Buenos Aires consists principally of a series of rooms filled with the modern art of different countries. Of the countries outside South America, Spain and Italy and France and England and Germany and Sweden each have one or more special rooms. I looked in vain for a United States room; there was none. However, in a room entitled “Miscellaneous” I finally discovered four paintings—there may have been a couple more—by my countrymen. Do you wonder our culture is not esteemed highly? From time to time in the past patriotic North American public officials and private citizens, recognizing this fact, have endeavored to remedy it and send some representative collections of paintings for exhibition or representative orchestras to give concerts. Although their proposals have met hearty response and generous offers of cooperation there, the necessary funds have not been forthcoming here.

Let us, however, not be discouraged, for the foundations have been laid for improvements in some at least of these matters. You will find some of them enumerated in a most interesting report made public last Wednesday by our State Department. It is entitled “Report of the Inter-Departmental Committee on Cooperation with the American Republics, together with the Program of Cooperation Endorsed by the Committee”.

This Committee has approved projects for each of the thirteen governmental departments and agencies represented. Some are to be carried out in such of the American republics as are desirous of engaging in them. Others can be carried on cooperatively here. Still others are for extending the technical facilities of these agencies. Some of them relate to public health, public administration, commercial and fiscal matters, labor, agriculture, communication, etc. Others relate to educational and scientific matters. All these proposals have a common purpose, and I cannot do better than to give it to you in the words of the Committee itself, as follows:

The Committee believes it desirable to indicate that its discussions were based on the premise that the republics of the New World have the same aspirations; that the welfare of the community of American nations demands their increasingly close and friendly association; and that through a program of practical, reciprocal cooperation the fulfillment of our common American ideals can be brought appreciably closer to achievement.

These proposals do not meet fully the conditions I found to exist. They make no mention of the fine arts. They will not counteract entirely the prepon-



derating cultural influence now exerted by certain European countries. They will, however, help to do this. They will, if Congress approves and provides the necessary funds, make a good beginning in many lines. They give encouragement to those who want our neighbors in the South to think of us as a nation interested in something more than machines and money.

I trust that these comments will have helped in some measure to portray the possibilities that lie ahead of us in international cooperation in this hemisphere. I think you will agree that adequate ways have been planned for carrying on much more closely cooperative relations with the people of the other American republics. But it will also be apparent to you that the fullest mutual benefit can be obtained through these channels only with the constant constructive work of individuals and groups such as yourselves. You are already engaged in this friendly, cooperative work. My hope is that your numbers may increase and that more and more of our people will come to realize the satisfaction and profit to be derived by the citizens of our country through close relations with our neighbors to the South.

C

V

I.

## PERVERSION OF THE "GOOD NEIGHBOR" POLICY

by WILLIAM R. CASTLE

There are, as you know, two philosophies as to American relations with nations under dictatorships, particularly Germany and Italy. Japan, which is not under a dictator but professes certain principles similar to those of the Nazis and Fascists, has been brought into the same category. For some unknown reason, Soviet Russia is not generally included, although the dictatorship of Stalin is certainly as implacable as that of Hitler himself. One theory as to our relations with the dictator nations is that we can and should live our own lives and manage somehow to get along with those who think differently, and that we most certainly should keep ourselves from involvement in any war that does not directly concern us. The other theory is that we must do our share to support the so-called democracies against the dictatorships even though war may be the result. I believe firmly that it is the duty of every American to think through these two theories and come to a personal decision as to which he believes is better for the nation.

The future of our relations with our Latin American neighbors, from the economic quite as much as from the political point of view, is in large measure dependent on our attitude toward the dictatorships and the extent to which we shall actually oppose them. On that choice rests the alternative between an active policy of trying to divert into other channels trade between South America and the dictator countries, and a more passive policy of building up our own trade with the nations to the South by all legitimate means without any direct attack on Latin American trade relations with the rest of the world.

Personally I cannot help believing that the second choice, far more than the first, will in the long run further our friendship with our American neighbors. It always creates trouble and generally is useless to try to divert trade from its natural channels except as changing times create new channels. We cannot ask South America not to raise beef and wheat and cotton; but at the same time we cannot buy from South America large quantities of products of which we already have a superabundance. Europe and Japan need them, and so long as Europe and Japan can pay for them we cannot, without adopting a dog-in-the-manger policy, attempt to prevent the trade. This is true even when that trade is carried on by means of reverting to ancient methods, by barter arrangements, under bilateral agreements, for example, which may go a long way toward destroying our own export market. We can retain the Latin American market and at the same time retain Latin American friendship only by making it more advantageous to Latin America to buy from us than from others. Our Latin American neighbors are like all others—they buy where they can buy most cheaply and they sell where they can sell at the best price. If we try to be moral uplifters and to persuade the Latin Americans not to trade with Germany and Italy and Japan because they are naughty people and may corrupt morals, we shall merely make ourselves ridiculous—unless we can supply other markets. And if we try to be paternalistic, to act as policemen, we shall so irritate Latin America that trade will inevitably languish.

We must not feel that to be a good neighbor we must give up our rights. We must not forget the fact, pointed out by President Coolidge, that American

citizens and American property abroad are just as much a part of the national domain as though they were at home. American investments in foreign countries are part of the wealth of the United States and if they are legitimate investments, made in accord with the laws of the particular country, they should be protected by our Government by all proper means short of military force. I make this exception because war is destructive of all values and can never, in any legitimate sense, be a protection to investments. On the other hand, weakness in defense of American rights is just exactly as fatal to respect and good will as are blustering and intemperate claims that go beyond our rights. We cannot be successful traders unless we have the respect of those with whom we trade. And in these days we seem sometimes to forget that there can be no real respect where there is contempt.

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I.

Our recent dealings with Mexico illustrate what I mean. I wonder whether anyone here really believes that these dealings have increased our prestige in Latin America or have increased the respect of these friendly republics of the Western Hemisphere. Let us look at the situation for a moment as it appears historically. We have loaned to Mexico in the course of years some \$93,000,000, by far the largest part being for railroad development. There is no doubt that early Mexican loans, almost all made in Europe as we were not then a lending nation, were made at a too-high interest rate nor that all such unfair loans should be vigorously discouraged. Nor is there any doubt that large slices of most loans were appropriated for their personal use by Mexican officials. In spite of all this, however, the development of the country was greatly aided—in fact, could hardly have been brought about without the money secured in this way; and we must remember that, except for the very earliest loans, interest rates have been very low. American bankers during the last twenty-five years have played a square game with the Mexican Government. We must never forget that these outstanding bonds are a part of our national wealth. Yet at the present time all of them are in default as to both interest and amortization; the Mexican Government has destroyed the security back of many of them and has apparently made no attempt to meet the payments due. The American Government does nothing about it although the loans were made in good faith and in most cases for constructive purposes. The Administration does not seem to see that sound trade can never be built on broken promises nor that, if promises are broken once, it is a precedent for breaking them again.

Probably a billion dollars of American money is invested in Mexico, and the actual development within the country in the way of mines, modern agriculture and oil production has been of inestimable advantage to the Mexican people. During the various Mexican revolutions there was widespread looting and destruction of American property, and it took many years of discussion before the Joint Claims Commission could agree and officially settle on figures for what was universally admitted to be only minimum compensation. One or two payments were made; then there were promises of future payments; and now it appears that even the promises have been forgotten. But these amounts, however justly due, were not in exactly the class of repayment of moneys advanced for the development of Mexico. The bonds and even more the direct investments in property represent just exactly this. The fact that Americans so investing hoped to make a profit in no way changes the fact that the many enterprises were of great value to the Mexican Nation. It is true that the American Government has recently reached



an agreement with the Mexican Government for the repayment of part of the agrarian claims, this payment to be made during the next ten years or so. There has never been any question as to the legality of the holdings nor as to the fact that they have stimulated all Mexican agriculture. But the Mexican Government now says that the settlement cannot be allowed to interfere with the theory that all land is the natural property of the peons who live on the land. This theory has been made paramount to all legal and constitutional rights. I am convinced that under the circumstances no one in the American Government would be willing to predict continuance of the payments after the first installment, and I am quite sure that no one in the Mexican Government believes that it will happen.

Recently, as you all know, the Mexican Government, on the flimsiest of pretexts and with no regard for the Mexican Constitution, seized foreign oil properties. These properties would not have been developed except for the imagination and the energy, and, if you will, the desire to make money, of foreigners. They were held under every legal and equitable title, and the operators employed, for wages far above the average, some 17,000 Mexicans. (It is interesting to note that since the seizure 5,000 workers have lost their jobs.) The oil wells also supplied the Government with a large part of its revenue. When the seizure occurred, the Secretary of State of the United States pointed out the undeniable right of any government to expropriate with compensation, but, although the Mexican Government immediately proclaimed its intention of paying, it refused to specify any time for payment even in the far distant future. In July and August Mr. Hull wrote two really stiff notes to Mexico on the land expropriation, presumably to establish a precedent for later representations on the oil properties as well as to get what money could be obtained for the owners of the land. But after these stiff notes the Department unaccountably returned to the "good neighbor" policy, which is apparently, in its opinion, a one-sided affair, meaning that the United States must give and give and give but that there is no obligation on others except to take and take. In this the Department forgets that a good neighbor must also—and first of all—be a good citizen and that in consequence the truly good neighbor does not condone theft, even of his own property. It was after these notes, to be sure, that the Department of State made the so-called settlement of the agrarian question which I have just noted. The tragedy of this agreement is that the Mexican Government not only does not promise in the future to respect private property of Americans; it does not admit that American claims in connection with the seizure of the land are just; and it specifically adds that the settlement is not to be considered as a precedent. Inasmuch as the Department accepted this interpretation, we have no standing at all in any claim for payment for the seized oil properties.

In all this miserable story of despoliation the American Government still continues to turn the other cheek—until one wonders how many cheeks it has. We have made no vigorous attempt to protect our own citizens. If the Government of the State of Texas should suddenly seize oil wells within that State which were owned by Mexicans, the Department of State would rush to the protection of the despoiled Mexicans. Yet it does nothing for despoiled Americans. It is this evidence of weakness—which is not synonymous with good neighborliness—that may well cause repercussions throughout Latin America disastrous to all American interests. And the even more amazing thing is that while the American Government does nothing to get back the stolen American property it continues

without interruption to act as Mother Bountiful to Mexico. It is true that public opinion put a stop to further direct purchases of silver from the Mexican Government at a fictitious price, but this has not slowed down at all American silver purchases in the open market, which are just exactly as valuable to the Mexican economy. Mexico, largely because it has turned over the stolen lands to small tillers of the soil, suddenly does not grow enough grain for its own use, although it was formerly an exporting country, so the American Department of Agriculture has sold one million and a half bushels of American wheat to Mexico at sixty-five cents a bushel, which means a direct loss to American taxpayers of \$280,000; and if Mexico paid for this grain in promissory notes, the loss will probably be far greater. But the most amazing thing of all is that our Government actually permits the oil stolen from our own producers in Mexico to come into this country to be refined and then, supposedly, to be reexported. It is actually coming into Texas now at the rate of 15,000 barrels a day. Some of it remains in this country, without any doubt, and all of it undersells our own oil producers in world markets because the Mexican Government, now exploiting the wells, has no capital investment to think of. Great Britain, France, and Holland will not permit this stolen oil to be landed. At first most Latin American countries also refused, but now Mexico has a good argument. "The United States", it says, "does not mind. It permits us to ship the oil to Texas to be refined." And what could be the answer to that?

Although the Mexican situation is by far the worst, other countries of Latin America have been almost equally contemptuous of our interests and of their contracts with our citizens. Some are, even now, considering or actually passing legislation in derogation of American rights. It looks, for example, as though foreign banks would be driven from Panama and as though Costa Rica were preparing the way to follow Mexico in confiscation of property. Colombia has consistently refused all service on American bonds, although there has probably never been a time when interest, at least, could not have been paid had there been a will to pay. There is no reason now, however, to go into these various defalcations deeply, since they merely serve as background to the Mexican picture. Argentina, it is pleasant to relate, is paying in full both interest and amortization on its national bonds. But the fact remains that whereas the bonded indebtedness to the United States throughout the world was just under 40 per cent in default at the beginning of 1938 that of Latin America was in default just over 85 per cent.

Remember that these bonds are not held by Wall Street, as one often hears, but that the holdings are widely scattered among some 600,000 American investors. If these people were articulate they would demand some sort of protection from their own Government, but as it is they are inclined to blame the bankers from whom they bought their bonds rather than the nation which has defaulted. Their troubles, therefore, do not become a political issue. Remember that the bonds in default are often in default not because of lack of ability to pay but because of lack of will. Remember also that in many instances the debtor nations which claimed they could not pay interest because of inability to secure exchange still were able to find exchange to buy up their own bonds at rates which have been greatly depressed just because of the nonpayment of interest. There have even been instances in which they not only bought their own bonds but resold at a profit and again bought in when the price went down once more. This is, to say the least, speculating with marked cards on the part of the issuing governments.



I have said that good neighborliness has to be on both sides, not on one only. I also assert that respect, on which rests the possibility of successful trade, must also flow in both directions. We must make the nations of the American Continents respect us because of the scrupulously fair and just use of our own power. But equally they must make us respect them because of their fair and just treatment of our citizens. The Department of State falls into sad error when it believes that credit will be indefinitely advanced to nations which repudiate their obligations. Credit depends on confidence more than on anything else, and credit is the lifeblood of trade.

If what I have said of the repayment of debts honestly incurred is true as to its effect on the flow of trade, it is even more strikingly true that trade is directly stimulated or depressed by the treatment of investments of the nationals of one country in another country. This is so clear as to need no explanation or proof. The presence of American money or American persons in another country inevitably increases trade in both directions. But if Americans are driven out—the numbers in Mexico have dropped from 50,000 to 10,000 in comparatively few years—or if American investments are discriminated against or, in the worst case, actually confiscated, the trade resulting from these investments ceases and all other trade hesitates. (I must say here, parenthetically, that, so far as trade figures with Mexico for the year are concerned, the inclusion of silver bought from Mexico or of wheat sold to Mexico must give a false picture, since both transactions are abnormal.) One of the best ways to build up trade, therefore, is the encouragement of investment and travel, the knowledge on the part of the people of a country that citizens and property in another country will always be considered by the home government as part of the national domain and will be protected as such.

These things are fundamental, and without them trade must inevitably languish. Nor will it be permanently improved by palliatives and artificial stimulants. A stupendous international plan of armament building, for example, would bring a temporary stimulation, but it would be as false in the final analysis as is domestic stimulation by pump priming. In the depressed state of world economy, moreover, the different nations cannot afford a great armament program, because it would simply increase the already crushing load of debt and drain away what is left of national credit. I hope that the American delegation to the Pan American Congress in Lima will not unduly stress international danger from the dictatorships—a danger really nonexistent on this continent in a military sense—in order either to bring about the adoption of a great armament program throughout Latin America or to frighten the other American nations into gratitude and a consequent sense of dependence on us because we promise to be the protector of half a world. This kind of thing cannot lead to permanent understanding, and the great work of the Congress should be to increase confidence and trust among the nations of the hemisphere.

There are many who refuse to look at this question of inter-American relations realistically, who feel that somebody, probably the President of the United States, holds a magic wand which he has only to wave to smooth away all the reasons for misunderstanding between the peoples of the hemisphere. Yet the very name "Latin American" shows that the people of these countries have racial affinities with Europe whereas they have none or very few with the United States. Furthermore, as I have already said, their principal products, with the exception of coffee, are things we do not want at any price. These things are more powerful



than any magic wand and must be borne in mind when we talk of trade agreements.

Many people seem to have the naive belief that if we negotiate trade agreements with all the countries of Latin America the problem will pretty well be solved. They think that these agreements will give us an advantage over the rest of the world; that they will so increase the affection of Latin America for the United States that European ties, and even the desire to buy as cheaply as possible, will be forgotten. I do not deny that trade agreements are a step in the direction of removing trade barriers. I do not deny that, although our sales to South America were, in 1937, only 69 per cent of what they were in 1929, our sales to the few countries with which we have agreements were 136 per cent of the 1929 figure. Our sales to the islands of the Caribbean were only about half what they were in 1929, the countries with trade agreements being a little better market than those without. In Central America we sold last year 69 per cent of what we sold in 1929 and curiously enough in this instance the sales to non-agreement countries amounted to 104 per cent of the 1929 figure as against 51 per cent to the countries with agreements. But look at these corresponding percentages between Latin America and other countries. Import trade with France and Italy was not as much in percentage, as compared with 1929, as our own. The sales made by Great Britain were a little better than ours in South America and the islands, not quite so good in Central America. With Germany the story is different. Where we have 69 per cent of our 1929 level in Central America, Germany has 162 per cent of hers. In South America the figures stand: United States 75 per cent, Germany 115 per cent. In the islands: United States 57 per cent, Germany 80 per cent. And the increases in Japanese sales have been phenomenal: Central America 647 per cent; South America 698 per cent; the islands 1869 per cent. Remember that these figures have nothing to do with volume. In practically every instance the United States stands first in volume.

These figures seem to indicate the weakness of the trade-agreement policy as a means of dominating Latin American trade. If world conditions were different I should be in hearty accord with Mr. Hull in what he is trying to do, because I think it would then have a chance of success. But world conditions have changed vitally. They are what they are and we must again be realistic. I have always been an advocate, in theory, of the general unconditional-most-favored-nation principle. But it stands to reason that the theory will work only if most nations of the world admit its validity and live up to it. Many years ago, just as the United States signed its first treaty of this kind, M. Jusserand said to me, "For years the world has wanted you to adopt this theory, and now, just as we are all discarding it, you take it up." Actually, today, a large and important part of the world believes in strict bilateral agreements, which are in direct opposition to the unconditional-most-favored-nation principle. We may dislike this very much, but it is a fact, and we have nothing to offer to the totalitarian governments which would make them change.

To take a specific case, look at German trade with certain Latin American states. It is largely a matter of barter, under bilateral agreements. The Argentine, for example, must take as much from Germany as it sells to Germany, must, in fact, take a little more, and this extra must be paid for in cash. Germany does not sell drugs except for cash, and the Argentine must find foreign exchange for the drugs it buys. The cash generally comes from sales to the United States, and thus, again and again, analysis would show that, with all our opposition to the

totalitarian states, we are helping largely to finance them. There is nothing whatever in the trade agreements to prevent this, and just as long as bilateral agreements with certain European states are advantageous to the states of Latin America they will be made, and there is nothing whatever that we can do about it. Our own trade will always be decreased by the amounts that a nation, party to a bilateral treaty, is forced to buy from the other country in order to maintain its own power to dispose of goods which cannot be disposed of to advantage elsewhere. The trade agreement as a bargaining instrument or as a means of securing American trade against the claims of others is quite futile.

But if we cannot secure the preponderance of Latin American trade through trade agreements or through sentimental appeal to continental solidarity or through fearsome whispers of the danger of invasion, is there nothing to do except sit back and turn over Latin America to the dictators? By no means is this the case. We can keep a fair share of the trade and can increase what we have now by steady, friendly cooperation that is neither domineering nor weak. Many Latin American nations need refinancing. Perfectly impartial studies of their capacity and their resources should be made just as such studies are made of business concerns. Their indebtedness should be scaled down in accord with their capacity to pay, not tossed overboard, because repudiation or even forgiveness of debt is a bad augury for the future. Then further American financing for productive purposes should be made available. There is plenty of idle money in the United States, much of which would go into Latin America if the investments appeared safe—and I believe there are ways to make them wholly sound. Then, as always, trade would follow investment. At the same time I am sure that American banking laws, however salutary new regulations may be at home, could be relaxed in the case of branch banks abroad to enable them to carry on such banking operations as are expected and as are carried on by other banks. As it is they are taxed out of existence because they must incorporate in the country where they operate and their stock cannot be held directly by the home bank. This means double and sometimes triple taxation. As it is now, our banks are being replaced by French and British and German banks, and nobody can expect *them* to promote trade between the United States and Latin America.

In this whole question of our relations with our neighbors to the South the most obvious and least dramatic things are generally the truest. We shall build up our trade successfully only if we do it by honest and unspectacular methods. We must try to be friend and not schoolmaster. We must insist on treatment as fair as that we give. We must not try to dam the inevitable channels of trade. We must prove the value of democracy by holding fast, ourselves, to democratic methods and principles—and proving that they work. We must be strong, but we must also be just. We must be a good neighbor and at the same time insist that those around us mind their manners and their morals also. We must make it clear that our first interest must always be the welfare of our own people so long as they behave themselves, and then prove that one of the means by which we seek their welfare is helping to keep our neighbors prosperous and happy. The pendulum has swung from arrogance to supineness. It must seek its balance for only then can we trade as a respected friend with these nations which we shall always treat as our political equals.



## DO BUSINESSMEN DEMAND AN INTERNATIONAL FORCE FOR THE WESTERN HEMISPHERE?

by ARTHUR DEERIN CALL

C Within three days, delegations, including one from the United States of America, are to sit around a conference table in Lima, Peru, with the purpose of carrying forward the work of seven similar and of a number of other Pan American Conferences held heretofore. Aboard ship, it is reported, our Secretary of State subdivided the activities of our delegation among the following study groups: (1) Peace machinery for the Western Hemisphere; (2) International law; (3) Economic problems; (4) Political and civil rights of women; (5) International cooperation and moral disarmament; (6) The Pan American Union and international conferences of American states; (7) Reports; (8) Drafting.

V It is apparent, therefore, that one of the major aims of the Lima Conference is to "strengthen the machinery for the maintenance of peace" in the Western Hemisphere. It is reported that the conference at Lima is to be asked to "tighten up" the conventions signed at the special Inter-American Peace Conference held in 1936 at Buenos Aires whereby the signatories agreed that, in case of aggression by a non-American country against any American nation, they should "consult" as to the course to be pursued. It is said that President Roosevelt plans to ask Congress to increase the United States air force sufficiently to cope with any foreign aggression against either of the American Continents. Our press is making frequent use once more of the word "sanctions". Some American states—  
I Colombia and the Dominican Republic for example—are proposing a "League of Nations for the Western Hemisphere". It is apparent that not a few political leaders would have the United States become party to some form of international organization for this hemisphere backed by a military force.

Through the centuries there have been men arguing for an international instrument for the maintenance of peace between states, backed by some sort of collective military might. In this our day it is more than merely an academic question whether or not our twenty-one republics resolve themselves into some sort of league or association for the maintenance of peace throughout the Western Hemisphere, an organ empowered to "define the aggressor", and to bring him to terms, if need be, by the use of collective arms. One of the paradoxes of history has been the militarism of the pacifists.

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In the winter of 1918-19, men foregathered in the city of Paris for the purpose of officially ending a war that had bled white the great nations of Europe. They conceived the time propitious for establishing the nations of the world within the framework of an organization that would enable them to avoid another experience so terrible. To this end they incorporated in their treaty twenty-six articles which taken together are known as the Covenant of the League of Nations. This Covenant, aiming to promote international cooperation and to achieve international peace and security, represented the collective judgment of the thirty-two states that signed the treaty. Taken together the provisions were the expression in words of a widespread demand for some form of international military force. Those men in Paris believed, signed their names to that effect, that all should



undertake to respect and preserve as against external aggression the territorial integrity and existing political independence of each. They agreed that a body of nine men, known as the Council, should have power to advise upon the ways and means of carrying out the military obligations. They agreed further that should any one of them resort to war it should *ipso facto* be deemed to have committed an act of war against all the rest. In such case they would all undertake immediately to subject the offender to the severance of all trade or financial relations, to prohibit all intercourse between their citizens and the citizens of the Covenant-breaking state, and to prevent all financial, commercial, or personal intercourse between the citizens of the Covenant-breaking state and the citizens of any other state whether it were a member of the group or not. Still more to the point, in such circumstances it was left to the Council to recommend to the several governments what effective military, naval, or air forces the members should "severally contribute to the armed forces to be used to protect the Covenants of the League". The members went even further and signed an agreement not only that they would mutually support one another in the necessary financial and economic measures but that they would "afford passage through their territory to the forces of any members of the League" cooperating to protect its Covenants. In this mélange of agreements it is clear, therefore, that the framers of the Covenant believed that any international organization of states for the maintenance of peace between them must be based upon the sanctions of military force. Those men in Paris were more willing to accept one another's promises to go to war, even if against their own vital interests, than they were to accept their plighted word simply to abide by their self-imposed laws and thus to maintain the peace. In their conceptions of sanctions no question seems ever to have arisen as to the sanction behind the military force itself. Right was to be established by might. War was to be the *ultima ratio* of their machinery for the maintenance of peace.

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When we are told that some of the men foregathering now in Lima, Peru, envisage a League of Nations for the republics of the Western Hemisphere, including perhaps Canada also, backed similarly by force of arms, it may be well to recall that had the League of Nations with headquarters in Geneva undertaken to apply its military sanctions against Signor Mussolini when in October 1923 his ships opened fire on the Greek seaport town of Corfu, the British Government felt that such action would have meant another world war and refused, therefore, to cooperate. Had the League of Nations undertaken to carry out its theories of an international force when in 1931 Japan moved into Manchuria, and had it then undertaken to stop all commercial or personal intercourse between the citizens of Japan and those of the United States, we of this country would in all probability have been brought into an international war. Believers in the duty of the League of Nations to apply military sanctions against Italy when in 1935 she moved into Ethiopia discovered, albeit a bit slowly, that the logic of such an action would spell no less than a European war. Britain knows that Italy's hostility to her sea power and Signor Mussolini's intervention in Spain have been mainly due to resentments because of the sanctions that the League tried to impose upon Italy for her move into Ethiopia. Dangers in the theory of military sanctions kept the League from organizing its military force against

Germany in 1936 when she moved into the Rhineland, and in 1938 when she took over Austria and parts of Czechoslovakia.

In short, it is now quite clear that those sections of the Covenant of the League of Nations calling for the use of force have been proved to be wrong in principle, contrary to the teachings of history, and, whenever there has been any attempt to apply them, a menace to the peace of the world.

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Belief in the necessity for an international military force for the maintenance of peace among sovereign states arises from a false analogy between the coercion of individuals by policemen and the coercion of states by armies. Trouble over this analogy arose in the Federal Convention held in the city of Philadelphia during the summer of 1787, the greatest international peace conference of all time. It was there proposed that the international organization known as the United States of America must have an international army with which to bring any recalcitrant State to terms. Addressing himself to this proposal, however, Mr. Oliver Ellsworth of Connecticut, later Chief Justice of the Supreme Court of the United States, speaking before the Convention of Connecticut for the ratification of the Constitution, expressed some very pertinent views upon the place of force in social relationships. He said:

If the United States and the individual States will quarrel, if they want to fight, they may do it, and no frame of government can possibly prevent it. . . .

Hence we see how necessary for the Union is a coercive principle. No man pretends the contrary: we all see and feel this necessity. The only question is, shall it be a coercion of law, or a coercion of arms? There is no other possible alternative. Where will those who oppose a coercion of law come out? Where will they end? A necessary consequence of their principles is a war of the States one against the other. I am for coercion by law—that coercion which acts only upon delinquent individuals. This Constitution does not attempt to coerce sovereign bodies, States, in their political capacity. No coercion is applicable to such bodies, but that of an armed force. If we should attempt to execute the laws of the Union by sending an armed force against a delinquent State, it would involve the good and bad, the innocent and guilty, in the same calamity.

But this legal coercion singles out the guilty individual, and punishes him for breaking the laws of the Union. All men will see the reasonableness of this; they will acquiesce and say, Let the guilty suffer.

On this general scheme for setting up a League of Nations to enforce peace Mr. George Mason of Virginia, addressing the Convention on May 30, argued very cogently that punishment could not in the nature of things be executed on the State collectively, and therefore that such a Govt. was necessary as could directly operate on individuals, and would punish those only whose guilt required it.

Mr. Mason returned to this matter on June 20 when Mr. Patterson of New Jersey had acknowledged that his "Plan" could not be enforced without military coercion, saying:

Does he consider the force of this concession? The most jarring elements of nature, fire and water themselves are not more incompatible than [than] such a mixture of civil liberty and military execution. Will the militia march from one State to another, in order to collect the arrears of taxes from the delinquent members of the Republic? Will they maintain an army for this purpose? Will not the citizens of the invaded State assist one another till they rise as one Man, and shake off the Union altogether. Rebellion is the only case in which the military force of the State can be properly exerted against its Citizens.



Mr. James Madison, when it was proposed to authorize an exertion of the force of the whole against a delinquent State,

observed that the more he reflected on the use of force, the more he doubted the practicability, the justice and the efficacy of it when applied to people collectively and not individually. . . . A Union of the States containing such an ingredient seemed to provide for its own destruction. The use of force against a State, would look more like a declaration of war, than an infliction of punishment, and would probably be considered by the party attacked as a dissolution of all previous compacts by which it might be bound. He hoped that such a system would be framed as might render this recourse unnecessary, and moved that the clause be postponed. This motion was agreed to nem.con.

Alexander Hamilton on June 18 paid his respects to the proposal to set up an international League to enforce peace upon the States. He said:

Force, by which may be understood a coercion of laws or coercion of arms . . . . A certain portion of military force is absolutely necessary in large communities. . . . But how can this force be exerted on the States collectively? It is impossible. It amounts to a war between the parties. Foreign powers also will not be idle spectators. They will interpose, the confusion will increase, and a dissolution of the Union ensue.

Colonel Hamilton recurred to the matter also in *The Federalist*, saying:

Whoever considers the populousness and strength of several of these States singly at the present juncture, and looks forward to what they will become, even at the distance of half a century, will at once dismiss as idle and visionary any scheme which aims at regulating their movements by laws to operate upon them in their collective capacities, and to be executed by a coercion applicable to them in the same capacities. A project of this kind is little less romantic than the monster-taming spirit which is attributed to the fabulous heroes and demigods of antiquity.

Even in those confederacies which have been composed of members smaller than many of our counties, the principle of legislation for sovereign States, supported by military coercion, has never been found effectual. It has rarely been attempted to be employed but against the weaker members; and in most instances attempts to coerce the refractory and disobedient have been the signals of bloody wars, in which one half of the confederacy has displayed its banners against the other half.

When advocating the ratification of the Constitution in the Convention of his own State, Hamilton said:

It has been observed, to coerce the States is one of the maddest projects that was ever devised. A failure of compliance will never be confined to a single State. This being the case, can we suppose it wise to hazard a civil war? . . . But can we believe that one State will ever suffer itself to be used as an instrument of coercion? The thing is a dream, it is impossible.

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It is reasonable to expect that, perfectly familiar with this background of American international statesmanship, the delegates now meeting in Lima for the purpose of "strengthening the machinery for the maintenance of peace" in the Western Hemisphere, "tightening up the conventions" already in force, considering the proposal to set up a League of Nations for the Western Hemisphere, will not agree to any international organization for the maintenance of peace in this hemisphere backed by an international military force. They know that, in issues between states, decisions this side of war must rest upon the common will to see justice done. Mr. Elihu Root, addressing himself to this general problem on the floor of the United States Senate, took occasion once to observe that "there is no security but honor and good faith". Mr. Austen Chamberlain, Foreign Secretary of Great Britain, speaking in Geneva on March 12, 1925, refused to approve the Geneva Protocol with its provision for military sanc-



tions, saying, "Do what we will, we have no choice, but, in the last resort, to depend upon the plighted word."

Every nation according to its lights is seeking its own interests. In that search some nation may infringe upon the rights or interests of another. In such case the question may arise as to who is the aggressor. That question may be settled by the parties, by diplomacy, by judicial processes. If left to politicians the prognosis is not so hopeful. Of course there remains always the possibility of war.

From their bitter experiences with war, however, men and women everywhere are reaching out with pathetic eagerness for a saner and less devastating way. They recall that nations of the world are doing business with each other today under the regulations of some thirty thousand treaties, conventions, agreements. For the most part these contracts are kept—and that because the parties conceive it to be to their interest to do so. When differences arise over any of these instruments, the most profitable courses are found to be through the due processes of the law, founded in their turn on the will that everyone shall receive his due, which is the essence of justice. In the development of law and justice for the settlement of international disputes there is no place for military force, for the exercise of such force against a state is nothing but war.

Surely all this is quite familiar to the able and distinguished ladies and gentlemen now foregathering in Lima, Peru. American businessmen concerned to promote trade in this hemisphere, to advance and to conserve their interests, may not be expected to wait upon any international force of arms, but to rely, rather, upon those enduring principles of mutual service that have been the marvel of legitimate world trade since the broad-gauge, successful, long-term exchange of goods began.

## UNITED STATES TRADE WITH SOUTH AMERICA

by WARREN LEE PIERSON

I have only recently returned from a South American trip during which I traveled in Venezuela, Brazil, Paraguay, Argentina, Uruguay, Chile, Peru, Ecuador, Colombia, and Panama. Everywhere I went—and this is no idle statement—I was impressed by the interest of the many businessmen and officials with whom I talked in the maintenance and development of a free and prosperous trade among the countries of the Western Hemisphere. Our own Government and business community hold precisely the same view. On all sides there is recognition of the mutual advantage to be derived from unfettered exchange of goods.

Foreign commerce, which basically is no different from domestic commerce, becomes greatly complicated by exchange control, import licenses, quota systems. Although in many parts of the world artificial trade devices are the order of the day, we can rejoice that all of the republics of the American Continents have approved a policy looking toward the removal of existing barriers to business and toward equality of commercial treatment. Unfortunately, due to pressure of certain nations that choose to follow different methods, the policy remains to be made effective in many of its aspects. However, I satisfied myself that there exist in many countries I visited both the desire and the intention to remove present restrictions upon trade as soon as conditions will permit. Later this evening I will indicate ways in which I hope the United States can cooperate to this end.

Competition from other trading nations—European and Asiatic—, many of whom are trying to regain pre-World War or pre-Depression markets or to secure the necessary raw materials to build up armament, has recently become so keen as to attract attention. Much of this trade is based upon bilateral balancing of imports and exports in contrast to the multilateral system endorsed by the countries of the Western Hemisphere. Such arrangements have been assisted in the case of Germany by various currency maneuvers.

Since 1935 Germany has employed a depreciated mark of one kind or another to facilitate its trade in Latin America. In those countries with which Germany had no clearing agreement, the now well-known ASKI marks have been used, and in a few cases some similar kind of *sonder* or compensation mark has been provided. The chief characteristics of all these marks are (1) that they have no international acceptance, being limited to use by the country whose exports created them, and (2) that their discount can be regulated by Germany through its control of both the supply of and the demand for them.

That these clearing agreements and blocked compensation marks represent a development contrary to the interests of ourselves and other orthodox trading nations is obvious, since they force the movement of goods into definite channels, create no free exchange for use outside of Germany, and often result in the accumulation of credits in Germany which must be worked off before any new business can be placed elsewhere.

Naturally I was interested to learn at first hand how this type of business was progressing. I learned two facts worth noting: first, that the depreciated mark is not entirely satisfactory even to Germany because there is a growing tendency to curtail the list of German exports for which full payment in ASKI marks will be accepted; and, second, that the German school of thought is encoun-

tering increasing resistance in South America—some countries having set a definite limit to exports of certain products for which blocked marks will be accepted. The plight of those Eastern European countries that sold Germany large orders of wheat, timber, and tobacco and had to take payment in mouth organs, typewriters, cameras, and aspirin has been neither overlooked nor forgotten in South America. (It is only fair to add, however, that the aspirin, at least, must have come in handy in Europe last September!) My conclusion is that trade carried on by means of depreciated export marks limited to the purchase of a restricted group of German goods will continue to decline rather than increase as the disadvantages of such schemes become increasingly apparent.

I found something else to be true: Added to their natural desire to trade in a normal, modern manner, the plain fact is that our Southern neighbors like American products. They have learned from experience that American goods not only look better but usually last longer. Our locomotives in Brazil, designed to carry heavy loads great distances, outperform and outwear those purchased elsewhere. A North American farmer from the Middle West would feel quite at home with the harrows, harvesters, windmills, and tractors used throughout the great pampas of the Argentine. The rich mines of Bolivia and Peru, the efficient railroads, power stations, and nitrate plants of Chile, abound with up-to-the-minute apparatus bearing familiar trade names. When occasion calls for oil-drilling equipment or road-building or textile machinery for Venezuela, Colombia, and Paraguay, or for a cement plant or a canning factory in Uruguay, the first thought is of the superior mechanical aids which the United States of North America can and does, furnish reasonably and promptly. I found our busses traveling regularly in the mountains of equatorial Ecuador; and, needless to say, there is an ever-increasing demand for the latest models of our sleek, powerful automobiles.

Therefore, Mr. Chairman, in partial answer to the question submitted to this forum for discussion I wish to reply: *In spite of the redoubled efforts of European and Asiatic competitors, the United States continues to maintain a predominant position in the markets of the other American republics, and furthermore—please note this—is the most important customer of the great majority of those countries.*

It is obvious that our trade relations with the other American republics are directly affected by the trade relations of those countries with the other principal trading nations of the world and by their relations with each other. Therefore, in our approach to the problems of developing and maintaining a thriving and profitable *inter-American* commerce, we must not lose sight of the broader *international* factors involved. What we really want to see is a substantial improvement in the international, including, of course, the inter-American, exchange of goods on a free and unrestricted basis, and a fair participation by the United States in that increase.

This evening we are concerned only with the relations between nations of the Western Hemisphere. Nevertheless, as one who is intensely interested in American trade everywhere, I feel impelled to remark—parenthetically—that this nation cannot afford supinely to overlook *any* threat to our rightfully established markets such as that now facing us in the Far East.

An examination of current statistics will convince anyone that—excepting China—we need not be unduly worried over our trade with any one country or group of countries. From what I have already said it will be seen that our situation in this respect in Latin America is certainly not a cause for alarm. We cannot supply all of their needs nor can we purchase all of their exports. We can legitimize



request and expect that our products shall not suffer in competition with the products of other countries through discrimination in tariffs, allotments of exchange, or similar practices adopted as a matter of commercial policy. If we grant equality of commercial treatment we may fairly ask for such treatment in return.

Permanent, large-scale trade relations between the United States and the countries to the South depend upon a continually increasing and mutually advantageous exchange of goods. Propaganda, export subsidies, and desperate currency capers may produce temporary gains, but in the long run our Good Neighbors will prefer to deal with the country which provides them promptly with high-quality merchandise at reasonable prices and in turn buys—and pays for—their goods with a medium of exchange acceptable in any market. People the world over, if permitted to do so, will trade where they get the most value and satisfaction for their money. From our standpoint, based upon these fundamental considerations, the future outlook in South America is distinctly encouraging.

Nevertheless, as previous speakers have already indicated, there is work to be done. To be successful in business requires constant vigilance—and this is as true of the commerce of a great country as of an individual. The keen competition of formidable rivals wherever we encounter them must not be minimized—but must be met promptly and decisively. New commercial, economic, and political forces have been quietly gaining strength during recent years while we have been occupied with our many domestic cares. The development of the totalitarian states has brought new trade as well as new political problems. In addition to the competition of foreign firms and individuals our exporters now face the ever-increasing competition of foreign governments. So long as this situation persists, we must be ready and willing to accept the challenge. One of the responsibilities of the Export-Import Bank is to enable our traders to compete upon equal terms with their rivals abroad for sound foreign business which if consummated will benefit the buyer as well as ourselves. This responsibility we are prepared to assume. Sometimes a little commercial courage and a little commercial foresight will avoid the necessity of ensuring our rights by the force of arms at some later date.

Although old in experience and with a culture in many cases far antedating our own, many of the countries to the South are undeveloped economically. The present status of their great resources is not unlike that of the United States following the Civil War. Great areas need improved transportation facilities, irrigation systems, power plants. By and large, they are debtor countries and as such can advantageously avail themselves of the use of some of the capital accumulated elsewhere. During my trip I talked to numerous energetic and intelligent South American businessmen and bankers. They are alive to the need of foreign capital and—I was pleased to note—recognize that to attract this capital, so indispensable to progress, they must offer assurances that obligations incurred and to be incurred will be scrupulously observed. The American companies who have invested huge sums in Venezuela, Colombia, and elsewhere have done much by their enlightened policies and sympathetic understanding of the needs of the people of those countries to bring about the cordial relations which now exist between us. Should capital continue to flow to South America as it did to the United States during the nineteenth century—and receive the protection we afforded it—an era of great prosperity is assured.

The United States can do much to stimulate the growth of the other American republics, with great benefit to our own people. I have already mentioned that,

with proper safeguards and assurances, we can provide additional credit facilities—particularly in connection with income-producing projects. Furthermore, our scientists can cooperate with colleagues and with governments of those countries in the development of many additional tropical and other noncompetitive products which will have a ready market in this country. The real and potential needs of people everywhere are only partially met today. And from the practical trader's position the foreign exchange created by these new exports will provide the increased purchasing power needed to acquire the merchandise we are so able and anxious to sell.

In conclusion, I wish to quote very briefly from the text of President Roosevelt's radio greeting to the twenty-one American republics on November 7, 1936—words which I feel are just as applicable today:

It is no exaggeration to say that in a world torn of conflicting demands, in a world in which democratic institutions are so seriously threatened, in a world in which freedom and human liberty itself are at stake, the Americas stand forth as a notable example of international solidarity, cooperation, and mutual helpfulness.

## EXPORT CREDIT AND FINANCIAL MANAGEMENT

by P. M. HAIGHT

In commercial operations a buyer has credit to the extent that he is trusted; the credit executive grants credit to the extent that he trusts his customers. Credit is based primarily, on *character, capacity, and capital*. The credit elements are fundamentally the same in domestic commercial transactions and in international commercial transactions. In domestic transactions the considerations, generally speaking, involve only the buyer and the seller; but in export transactions the credit of the buyer's government is also involved. The credit of the buyer in his own country may be perfectly sound in that he possesses good character, has the capacity to conduct his business successfully, and has sufficient capital to meet his needs and maintain his credit with his bank and with his suppliers. If, however, his government places restrictions upon his importation of goods, or upon the facility with which he is able to obtain and transmit the foreign funds necessary to defray his commitments outside his country, then his credit internationally is impaired. From this it will be seen that export-credit management involves vital considerations beyond those involved in domestic credit.

The export-credit executive, to handle his job properly, should have an understanding of the characteristics, prejudices, and standards of ethics prevalent in the countries in which he is doing business. These should be catered to or guarded against as may be required.

The export-credit executive must of necessity keep abreast of the economic conditions in the countries with which he is trading and be thoroughly posted as to their customs regulations and import restrictions, the availability of exchange and the freedom of its movement. He must also know the legal procedure in those countries in such matters as the court status of accepted drafts, protested documents, etc. He must know, for instance, the countries that do not honor "to order" documents. Perhaps this statement needs a little explanation. You probably know that in this country, and in fact in most countries, it is possible to ship to a destination, having bills of lading issued to order of the shipper with notification to the buyer, these "to order" bills of lading being attached to drafts for the amounts involved in the transactions; these drafts, with documents attached, are in the form that instructs a bank at destination to surrender the documents only upon the payment of the drafts or upon the acceptance of the drafts if they are drawn for payment at a later date. The consignees can obtain the goods only when they are able to present to the carriers the properly endorsed "to order" bills of lading and other documents. There are countries, however, that do not honor such procedure in that the consignees may obtain the shipments that are consigned to them upon clearing them through the customs regardless of how the shipping documents may read. About the only protection shippers have in such cases is to consign the goods to banks or responsible parties at destination, with instructions to deliver the goods only upon receipt of payment either in cash or in accordance with such terms as may have been arranged.

The export-credit and financial executive must keep constantly and promptly informed as to political and economic conditions in the markets with which he is doing business. His main sources of such information are the daily newspapers, Department of Commerce reports, bulletins from foreign trade organizations



such as the National Foreign Trade Council, Inc., bulletins from the banks specializing in foreign trade, foreign market letters issued by private concerns organized for that purpose, or his own representatives or correspondents abroad. Information as to the credit standing of buyers abroad is obtained through such representatives or correspondents, from the banks in this country that maintain foreign branches or have foreign correspondents, from the mercantile agencies, and from organizations formed particularly for the collecting and furnishing of credit information. An outstanding example of the last-named is the Foreign Credit Interchange Bureau of the National Association of Credit Men in the United States, which furnishes current information based upon the ledger experience of subscribers to the bureau's service.

It is most desirable that the credit executive should travel in the countries with which his firm transacts business, as actual acquaintance with the customers and familiarity with the social and economic conditions in the territories in which they are located, coupled with an ability to size up human nature, are invaluable assets.

Proficiency in languages is also a valuable accomplishment, and, in my opinion, United States export trade is handicapped by the failure of our educational institutions to attach more importance to instruction in modern languages, giving some thought to their practical everyday usage as well as to their literary purity. This—shall I say—indifference to languages may in part be attributed to the fact that only in a limited part of our country do the people generally give any thought or consideration to international affairs, or have any realization of the interdependence of nations. Recently I heard a nationally known economist make the statement that, to the majority of the people west of the Appalachian Mountains, Europe, Asia, Africa, and South America are merely other parts of the world that they remember hazily from their school days and about which they read when something startling appears in the newspapers—in their minds no importance to them, individually, being attached to affairs outside the United States. How vastly different is the situation in European countries, for instance, where the importance of foreign trade and foreign relations is instilled in the minds of the children almost from infancy, and where international trade is the lifeblood of the nations. Foreign representatives coming to this country put us to shame by their ability to speak and understand English, compared with the inability of most of us to communicate with them in their own languages. An increased knowledge of foreign languages on our part would naturally bring with it an increased knowledge of other countries and a closer cultural and trade relationship between the United States and the rest of the world.

The export trade of this country grew by leaps and bounds during the years of the World War and the period following the war during which the exhausted nations of Europe were undergoing rehabilitation and getting to the point where they could again aggressively go after foreign trade. Before the World War most of the trading countries of the world were on a gold standard and the movement of exchange was free and unrestricted. The fluctuations in exchange values were moderate and largely seasonal. The credit and financial executive's job then was simple, compared with what is demanded of him today.

The countries impoverished by the World War, hopelessly in debt at home and abroad, and finding further foreign loans denied them, as they began to struggle for foreign trade to furnish the exchange necessary to them for the purchase of goods and commodities they absolutely needed from other countries, naturally broke away from a fixed standard of currency, seeking to develop foreign markets

by depreciating the value of their currencies in the world market, thus creating more favorable world prices for their exports and, in some instances, finally drifting into barter arrangements and bilateral agreements. Will international barter arrangements and bilateral agreements continue indefinitely and, perhaps, be expanded? I do not know; but I *do* know that such of those arrangements as are now in effect are liked by the venders of agricultural and natural products in some of the countries so operating; but, on the other hand, the currency values of measurement that are involved are artificially maintained at a terrific cost, and it remains to be seen how long the people of some of the countries *will* stand, and how long their national economics *can* stand the high and almost noncompetitive costs they have to pay for the goods that are taken under such arrangements and agreements.

The industrial exporters of the United States have maintained and built up their foreign trade, in spite of higher standards of living and consequently higher costs in this country, by superior quality, improved design, introduction of new devices, and better service. Too, there has been in this country a continually growing realization that our customers abroad have to be better understood socially and culturally and that the requirements of their markets have to be met even though they differ materially from our own standards. Most of our larger business concerns operating internationally make it a point to bring young and likely men from other countries to the United States, not only to train them in the manufacturing and marketing of the goods produced or handled by those companies, but also for the purpose of having the young men know the United States, its people, its democracy, and its cultural life, so that when the young men return to their own countries they may do their part in spreading a better understanding of us here.

In 1937 Professor Frank A. Southard of Cornell University released the results of a special survey he had made of the foreign exchange, credit, and collection procedure of United States exporters. This survey showed that whereas 91 per cent of our exporters shipped to Latin America only 70 per cent of them shipped to Asia, 64 per cent to Western Europe, 45 per cent to Eastern Europe, 31 per cent to Africa, and 17 per cent to Australia; it showed, also, that the prevailing methods of operation were through commission agents, distributors, sales offices, or subsidiaries abroad, and that only 6 per cent depended on sales representatives traveling from the United States. It is interesting that Professor Southard's survey showed that 84 per cent of the United States exporting firms themselves carried the drafts they drew for foreign shipments and did not discount such drafts or borrow against them.

The methods of financing and collecting foreign accounts range from "cash with order" through the various forms of letters of credit from "irrevocable confirmed" to the "authority to purchase", "sight drafts", "time drafts", and, finally, "open account". Of course, transactions handled through drafts and open accounts involve the extension of credit. Some exporters, as I have said before, are able to finance these credits from their own resources, particularly where extended terms are not involved. In view of the lack of stability of many of the foreign currencies since the gold standard has to a great extent been abandoned, most of our export sales are made in dollars, and it is the obligation of the purchasers to obtain dollar exchange. There are occasions where the purchasers abroad insist on the transactions' being in their own currency, and in those cases the credit and financial executive, to guard against loss by the possible depreciation of the foreign



currencies against the dollar, must resort to forward exchange sales made preferably at the time the business is accepted. This means that he must go to his bank saying, in effect, "I will on such a date be in receipt of so much of such a foreign currency; what will you pay me in dollars for that currency for delivery to you on that date?" The rate of exchange is agreed upon. The credit executive and the bank enter into what is known as a "forward sale contract"; at the proper time the credit executive instructs his debtor abroad to pay, on the due date, the amount of the debt in the foreign currency to such bank or concern as the contracting bank designates, and on that date the export executive receives the amount of dollars his bank contracted to pay him and his bank's representative receives the amount of foreign currency the export executive agreed to sell. It is sometimes extremely difficult and occasionally impossible to make forward sale contracts for foreign currencies. This is particularly so with the currencies of those countries that have restrictions on the movement of exchange and of countries whose political and economic instability causes lack of confidence in their currencies.

Unfortunately, international competition in terms of payment is a rapidly growing problem and one of serious concern to United States exporters. The banks of this country through discounting drafts and acceptances aid materially in the financing of those transactions that do not extend beyond the time limits prescribed by our banking laws. There is a growing demand on the part of buyers, particularly in Latin America, for terms of payment ranging from a few months to possibly five or more years. The credit and financial executive is faced with the problems of (1) determining whether his own financial position is such that he can grant the terms requested and carry the account if the credit of the customer is acceptable; (2) obtaining assistance from his bank if his own resources are limited; (3) running the risk of the imposition of exchange or import restrictions, a possible depreciation of the value of the customer's currency that might impair his ability to pay, or some international occurrence that would prevent payment when due.

Transactions involving very large amounts and longer terms of payment are in a class that should be financed by bond issues, or in some other manner that is within the particular province of international financiers. In order to maintain our position in international trade, meeting the competition that is provided by other industrial countries where governmental or semi-governmental assistance is given to exporters, this country must have some medium for financing exports in the "intermediate terms of payment" class. It would seem that our Export-Import Bank is such a medium; but I believe that, to give the assistance that is needed, the scope and operations of that bank must be broadened and liberalized. That bank, even though it is not strictly a part of our Government, has a prestige and authority that carry weight in other countries and, if it is known that the Export-Import Bank holds or is interested in obligations from abroad, those obligations are sure to be considered more binding and their observance more certain than if they are in the hands of exporters or of ordinary internationally operating banks.

There is a closer relationship between our exports and our imports than many people realize. The money the United States puts into imports, investments abroad, and foreign travel provides dollars to other countries for the purchase of



our manufactured and natural products. International trade must be two-way traffic.

The enterprise, ingenuity, inventiveness, persistence, and natural resources of this country, coupled with the support of our Government, particularly through the Department of State and by other means at the Government's command, will, I believe, carry us through the "down" periods in export trade that are likely to occur, to the point where we will solve our problems and where we will attain the world-trade position we can and should occupy.

## IS FOREIGN-TRADE COMPETITION FATAL?

by WILLIAM K. JACKSON

"Can the United States retain Latin American trade and cultural relations against German, Italian, and Japanese competition?" If by retention of trade and cultural relations we mean the preservation of a *permanent* status of satisfactory relations, and not merely a temporary vogue in cultural matters, or a bubble prosperity in trade affairs, the answer should be "Yes". Despite such racial and linguistic differences as may exist between us, we do possess a common heritage of political aspirations and economic background.

A new world had to be explored and settled. Its natural resources had to be subjected to man's necessities. A type and kind of local government had to be set up adequate to meet these new conditions, one which did not and could not follow the existing Old World pattern.

When the North American colonists could no longer endure the restrictions and limitations placed upon their freedom, they issued the Declaration of Independence, one of the most momentous documents in history. This was fundamentally a declaration against unreasonable interference by government or by an absolute sovereign in private and business affairs. They felt that they could not achieve that degree of cultural and financial well-being for which they longed, if their private affairs or their efforts to make a living were to be subjected to unreasonable restraints and exactions by a distant monarch who considered his own interests rather than those of the colonists.

These farseeing colonists declared that certain truths were self-evident: that all men were endowed by their Creator with certain inalienable rights; that among these are life, liberty, and the pursuit of happiness; that to secure these rights governments are instituted among men, deriving their just powers from the consent of the governed. This was an announcement that the peoples of this New World were going to insist upon and fight for human rights, and not to acquiesce in the so-called divine right asserted by kings of subordinating the individual to the sovereign will. It was an assertion that life, liberty, and the pursuit of happiness are one and inseparable. Since man's pursuit of happiness requires that he be allowed to enjoy the fruits of his own labor, it was a declaration of the inviolability of personal and property rights; it is only through the acquisition and ownership of property that the uncertainties of existence can be eliminated and the blessings of health and happiness become enduring. It set up the new thesis that governments were created to protect the individual against personal slavery and official oppression and as a guarantee of his rights to acquire and retain property as his own. It was the political philosophy of our forefathers that governments were instituted to ensure to the individual the fullest scope for his own initiative in trading, farming, manufacturing, or the professions and that every incentive should exist for the individual to use his inventive genius in the development of the new processes, machines, and devices which would make life more secure and abundant. These principles were not consistent with the practices of autocratic governments then holding sway throughout the world. So the people of Latin America, beset with similar problems and inspired and actuated by similar ideals, rose in their wrath and threw off the yoke of absolutism. They dethroned the monarch and established the supremacy of the individual with the state his slave

and not his master. A new type of government was created which gave power to the majority, but so hedged this power that the basic rights of racial, religious, or political minorities could not be destroyed. The sanctity of personal and property rights became the very framework of the democratic governments of the Americas. This freedom has measurably influenced our literature, art, and daily life. It has produced a civilization on broader cultural and business foundations than has ever before existed.

It is true that great empires have flourished for a short time upon the institution of slavery, upon the regimentation of vast masses of people, and upon the denial to the individual of his personal liberty. These institutions have not been enduring; they have crumbled and fallen. The democratic system is designed to endure because it is based upon the constant and continuous development of each and every individual citizen and is not dependent upon the wisdom of some personification of the Deity. For more than one hundred years the people of all the Americas have lived by these principles, and it is not reasonable to believe that they are now going to be persuaded by propaganda to abandon these most cherished ideals.

If we remain true to our established institutions, our cultural communion with the countries of Latin America should continue, but if we weaken or falter we will undoubtedly lose their admiration and respect.

We are not living in the past when we recall these fundamental political principles. They are primary and basic. They apply to today and tomorrow, just as the parables spoken on the shores of the Sea of Galilee two thousand years ago are wholesome lessons for the youth of today and tomorrow.

Are these the principles with which the totalitarian states are feverishly shattering the atmosphere of our neighbors to the South? Are these the political ideals common to all the nations of America which the totalitarian states through their propaganda are trying to inculcate into the minds and souls of our Southern friends?

And what is the political culture which is being offered to the people of the Americas in its place? Is it freedom of speech—does that exist in any of the totalitarian states?—freedom in literature, freedom in religion, freedom in art, freedom in music, freedom in thought, freedom in trade, freedom in barter, freedom in exchange? Is there real freedom there or is it the freedom of a serf to worship and serve his master, the state? Are civil liberties and property rights inviolable there?

The motivating national policy of the totalitarian states is expansion and absorption without regard to the will of the people into whose territory such expansion takes place. If trade comes first, then the taking of the territory where such trade is established is regarded as a necessary part of the retention or protection of the national economy. If immigration takes place, then the territory where such immigrants live must either be annexed to the Fatherland or be considered as an integral, even if detached, part of its territory. It is said that we do not understand, that it is a policy of destiny of economic necessity.

In America there can be no adoption of a culture which can only be the reflection of the thought of a few political leaders. No country of America which believes in religious freedom can accept a culture which is colored by political leaders who not only dominate the religious thought of their people, but even dictate the name of the god to whom their supplications must arise.

The social and political significance of the sanctity of personal and property



rights is cherished in common by Western democracies. There can be no permanent and satisfactory trade relations with a country whose political leaders confiscate the property of either its own citizens or foreigners residing there. There can be no trade unless there is a sense of security. There can be no sense of security unless property is safe from unreasonable seizure or from confiscation without adequate and effective compensation. Democratic governments must protect the elementary concept of private ownership with its inescapable corollary of social liberty and equality. What the state acquires immorally cannot serve social and humanitarian ends. Confiscation is a sorry and unworthy basis for idealism.

Where the state disregards property rights in the accomplishment of some national policy, it is sure to disregard personal security, and all, from the humblest laborer to the wealthiest citizen, become slaves of a totalitarian oligarchy.

It may seem to us at times that some of the governments in the Americas are fashioned somewhat upon the pattern of the Rome-Berlin Axis, but the similarity disappears when we realize that at no time have any of the rulers of America converted the sinew and bone of their people into armaments, or threatened the peace of the entire world with an inordinate ambition to accomplish vast territorial expansion. No nation in America covets its neighbor's land, or desires to reduce its neighbor to a state of political vassalage. We are at peace with ourselves and the world to work out man's destiny in an atmosphere of spiritual and material freedom. There is no room for a political culture based upon a self-asserted ethnic superiority and an overwhelming desire to smother individual freedom in order to make way for some theory of national destiny. No country of the Americas can permanently discard the basic principles in which it was conceived in order to claim temporary kinship to institutions so alien to its blood stream as those of the totalitarian states.

Nor are we placing property rights in any way over and above human rights. The right to live and the right to own property are the foundation stones of human rights. Trade is not sordid; it requires no apologies. Without it man reverts to the stone age. Generally speaking, no people has ever enjoyed a period of cultural growth except during periods of material well-being, which are brought about by expanding trade, with the free exchange of commodities between people. To attain the capacity for cultural creation and enjoyment there must be a satisfying amount of the necessities of life. These are made possible by individual industry and effort. The state can neither create nor maintain enduring wealth or culture. This is a function of the individual.

The countries to the South of us and we ourselves are in the same economic orbit. We have the capacity and willingness to purchase many of the raw materials of their forests, farms, and mines which we need to add to the standard of living and comfort of our people. They can complement their own goods with the products of our fields and factories so that their people may have the benefit of what our workers produce. It is all so normal, so logical and reasonable, without any element of political domination or commercial exploitation. It is in the daily marts of trade that friendship and understanding between good neighbors are made. Trade with us involves no imposition of unwanted political theories. Nevertheless our normal trade relations are threatened to some extent by the fervid activity of our totalitarian rivals.

We have had to meet drastic underselling of our products by foreign competitors who benefit from low wages, depreciated currencies, subsidies, and other

governmental aids. To some extent, at least, this underselling is made possible also by cheap imitations of articles of higher quality produced in this country. Second, there are the barter arrangements whereby the totalitarian states undertake to purchase Latin American products in return for the purchase from them of commodities of approximately the same value. Third, we must recognize the more intensive method of trade building employed in recent years by the totalitarian states under the direction and with the aid of the governments themselves. Finally, the inroads in our trade have been caused in some measure by the trend toward higher prices in the United States caused by labor difficulties, increased taxation and other burdens upon industrial concerns, and the legislative measures which have created artificial price structures for agricultural products.

A superficial review of these causes might create the impression that they are all beyond our control, making the situation appear hopeless. Many of them are temporary factors, occasioned by abnormal circumstances, and some of them are so economically unsound that they carry the seeds of their own destruction. The blocked currencies used to implement the barter arrangements create untold difficulties for persons engaged in international trade. This obstacle in the free flow of commerce annoys businessmen and creates in them a natural desire to do as much of their business as possible with countries where such artificial restrictions have not been adopted. Also, as the volume of trade in these blocked currencies increases, there is a tendency toward the reduction in the value of the currency so that the exporter receives a diminishing return for his products. I am sure that businessmen all over the world would welcome an escape from such annoying restrictions, and we may feel certain that the countries that have maintained freedom in international exchange will be favored with trade to the extent economically possible.

Another thing that should act as a natural restraint on the development of trade in Latin America by the totalitarian states is that the commercial activities of these countries are tied in with their political ideology. The government representatives and trade missions sent to these countries to negotiate trade agreements and to foster commercial intercourse seem to consider themselves as political missionaries. Too often they consider that it is their duty to sell political doctrines along with their wares. These activities have stirred up resentment in Latin America, and the totalitarian states in trying to create trade by the spread of political ideologies are to some extent defeating their own ends. On the other hand, our ideology is the same as that of Latin America. We have no doctrines to sell to them. The independence and future aspirations of all the countries of America are inevitably linked with the success or failure of democratic institutions. Trade with us involves no implications that the Latin American countries are rendering assistance or materially contributing to some warlike program of territorial expansion.

Almost everyone recognizes now that the Smoot-Hawley tariff raised a forbidding barrier to our international trade. The work of the State Department in lowering this barrier by trade treaties is one of the outstanding accomplishments of the present Administration. The effect on our trade has been outstanding, and our trade with Latin American countries has been considerably increased. A continuance and extension of our trade-treaty policy should be extremely helpful in developing and holding Latin American trade. In negotiating these trade treaties, we must at once make up our minds that an attempt to protect high-cost and inefficient industries in the United States does great damage to our national



economy. Our labor standards must be preserved, but a realistic and scientific approach to the tariff problem is one of the first essentials if we are going to maintain our rightful place in international trade.

The establishment of exchange controls in Latin American countries as a result of the financial debacle has created so many complications for businessmen that international commerce has become difficult. In countries where exchange controls have been established not only is it necessary to obtain a permit before an importation can be made, but thereafter payment for such importation can be effected only when sufficient foreign exchange is available in the exchange fund. This has resulted in sharp decreases in purchases, particularly of articles which cannot be included under the term "prime necessity". The slowing down of remittances has caused further contraction. A great impetus to trade with Latin America would be given if some method could be found to eliminate these artificial controls. I do not intend to suggest how this might be done, but I venture to say that the task is not impossible. It is generally understood that we have set aside large sums of money in a stabilization fund used primarily to maintain some sort of stability between the dollar and the failing currencies of Europe. It would seem that monetary problems of the countries of this hemisphere are entitled to our first consideration. If our Government in cooperation with our neighbors to the South could succeed in establishing freedom of exchange, it would surely be reflected in increasing trade.

Of course we cannot expect to monopolize trade with Central and South America. We can hardly expect, for example, to consume all of the coffee produced by these countries, and in view of our extensive agricultural interests we cannot hope to absorb all their farm and dairy products. Therefore, Latin America must find markets in other parts of the world for products which we cannot handle. We should be satisfied if we retain a major portion of the trade and bring it about that the trade practices and extensive merchandising of European and Asiatic countries do not alienate the trade which we, by reason of our geographical and economic position, have a right to expect.

So far, our discussion has been very broad and general. In this collegiate atmosphere it seems appropriate that I should at least devote some time to my particular field of concentration—the Caribbean area. The part that these countries must play in our international policy cannot be measured by the relative smallness of their area, population, and present commercial development.

Nature has made these countries our near neighbors to the South, their lands our highways in going from ocean to ocean, and has made their adjoining waters our ocean waterways, not only to the great republics of South America, but to many other parts of the world. The opening of the Panama Canal to the ocean commerce plying between the Atlantic and Pacific Oceans has placed these countries along the highway of travel and economic interchange between our Eastern and Western seaboard. They are a part of the same economic community. They are within the economic boundaries of our economic life. No discussion or elaboration of political principles or indulgence in diplomatic refinements can change these facts. Moreover, these facts do not in the least impair their political independence or rob them of any degree of economic initiative. On the contrary, they tend to insure their independence and afford them the advantages of easy access to the greatest commercial market in the world.

A study of their exports will make it clear that they are essentially agricultural nations, producing those distinctive tropical food products which are not pro-



duced by our own farmers, products which are necessary raw material for conversion by our own factories into manufactured goods. There is, therefore, an ideal situation for the development of that reasonable interchange of commodities and produce so necessary and desirable from our own viewpoint and equally necessary and desirable from theirs. Their leading exports are coffee, cacao, bananas, sugar, chicle, hides, ivory nuts, coconuts, mother-of-pearl, mahogany and other tropical woods, sarsaparilla and other medicinal roots, etc. Only sugar can remotely be regarded as competitive with our own farm products, but this is of no practical importance because Central American sugar is not imported into the United States. They have no factories or mines to produce commodities which will compete with the products of our own factories and mines. They are so sparsely settled that they have no reservoir of cheap labor with which to man factories and mines in the near future. They have not, therefore, shipped to the United States such products as can in any way endanger the American wage scale or its high standard of living.

If we would be of greatest service to these countries and to ourselves, it would be through the bringing about of greater economic prosperity and stability. We should encourage them to produce the products which they can naturally produce and which we need, because not only will we thereby ensure their political and economic stability and independence, but we will also increase our own prosperity through affording to our manufacturers and farmers a market in Central America for their goods.

We have at present an adequate and up-to-date communication and transportation system by air and water. The development of land transportation between the United States and Central America is going forward as rapidly as the great distances involved and the resources of the various countries traversed permit. At present all of the Central American countries are blessed with stable governments. Reciprocal trade treaties are in effect with all of them. Our "good neighbor" policy has received their enthusiastic acclaim. The trade activities of Germany, Italy, and Japan have been intensified and cannot be ignored, but some part of this activity must be attributed to the necessities of an internal situation and expansionist policy which cannot in the long run prevail. No part of Latin America is so well known to the traveler from the United States as is Central America. Their students in large numbers have added a leavening influence to our institutions of learning. Let the public come to realize that the peaceful promotion of trade is an ancient and honorable pursuit and that expressions of cordiality and sympathetic appreciation to our friends of the South are not sinister and hypocritical just because they may take place in the course of trade.

We should endeavor to build up our foreign trade with Latin America not under the guise of altruism but as something of material benefit to both parties. We need an education of the public to the extent of eliminating the feeling, too often evident, that those engaged in legitimate occupations abroad, actuated by greed and a desire to exploit, are a menace to our friendly relations. It is for this reason that I heartily approve of conferences such as this, which by public discussions will clarify the public mind on the value of commercial intercourse in our national economy and as a factor in national defense. When the general public comes to attack the problem with this attitude, increased trade with Latin America will inevitably follow and commercial intercourse, by contributing to the prosperity of the world, will thereby contribute to the permanence of peace.



THE GEORGE WASHINGTON UNIVERSITY  
WASHINGTON, D. C.

Report of the Comptroller

FOR THE YEAR ENDED

AUGUST 31 1938



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(3)

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# AUDIT CERTIFICATE

October 8 1938

TO THE PRESIDENT AND BOARD OF TRUSTEES  
THE GEORGE WASHINGTON UNIVERSITY  
WASHINGTON, D. C.

GENTLEMEN:

We have examined the accounts and records of THE GEORGE WASHINGTON UNIVERSITY, relating to the Balance Sheet as at August 31, 1938, and reviewed the Income and Expense Accounts for the year ended on that date, without making a detailed audit of all transactions. In that connection we have reviewed the Report of the Comptroller which has been prepared generally in accordance with the recommendations of the National Committee on Standard Reports for Institutions of Higher Learning; our comments thereon follow.

The Cash shown by the books was verified by count and by certificates from the depositories. Bonds, Stocks and Trust Notes Receivable were verified by inspection or by confirmation from the holders thereof. The Inventory and Prepaid Expense Supplies were accepted as furnished by The University after testing the mathematical accuracy thereof. Cash Surplus Value of Perpetual Fire Insurance was verified by examination of the policies.

The additions to Land and Buildings, Equipment and Library Books were examined and found to be correct charges thereto. In accordance with previous practice no Reserve for Depreciation is provided for Buildings; the Reserves for Depreciation of Equipment and Library Books appear to be adequate. The Note and Trust Notes Payable were confirmed by the holders thereof. Other Balance Sheet accounts are stated in accordance with the accounts of The University.

Our test of Income from Fund Assets indicates that a proper accounting has been made therefor.

Respectfully submitted,

R. G. RANKIN & Co.,  
*Certified Public Accountants.*

October 8 1938

TO THE PRESIDENT AND BOARD OF TRUSTEES  
THE GEORGE WASHINGTON UNIVERSITY

GENTLEMEN:

There is submitted herewith the Report of the Comptroller for the 1937-38 school year ended August 31, 1938 of The George Washington University, together with the report of R. G. Rankin & Co., certified public accountants. This Report has been prepared to conform generally with the recommendations of the National Committee on Standard Reports for Institutions of Higher Learning.

INCOME AND EXPENSE

Operating income for the year (see Schedule 4) was \$1,238,055.14 for educational and general purposes, \$228,743.05 for auxiliary enterprises, and \$4,874.00 for non-educational income; total \$1,471,672.19.

Operating expenses for the year (see Schedule 5) were \$1,141,668.50 for educational and general purposes, \$230,763.94 for auxiliary enterprises, and \$47,581.15 for non-educational expenses; total \$1,420,013.59.

The net operating income exclusive of cost of educational equipment and the purchase of books was \$51,658.60.

(6)

OPERATING INCOME	AMOUNT	PER CENT OF TOTAL	OPERATING EXPENSES	AMOUNT	PER CENT OF TOTAL
Educational and General			Educational and General		
Student Fees .....	960,853.63	65.3	Administration .....	162,923.93	11.5
Endowment Income .....	64,912.57	4.4	Instruction .....	671,139.30	47.2
Gifts .....	19,723.84	1.3	Research .....	17,054.84	1.2
Other Sources .....	12,649.92	.9	Libraries .....	17,754.55	1.2
Sales and Services, etc.....	179,915.18	12.2	Operation and Maint. of Plant	98,170.73	7.0
			Sales and Services, etc.....	174,625.15	12.3
	<u>1,238,055.14</u>	<u>84.1</u>		<u>1,141,668.50</u>	<u>80.4</u>
Auxiliary Enterprises .....	228,743.05	15.5	Auxiliary Enterprises .....	230,763.94	16.2
Other Non-educational Income...	4,874.00	.4	Other Non-educational Expense..	47,581.15	3.4
<b>TOTAL .....</b>	<b><u>1,471,672.19</u></b>	<b><u>100%</u></b>	<b>Total .....</b>	<b><u>1,420,013.59</u></b>	<b><u>100%</u></b>

## GIFTS AND LEGACIES

During the year there was received by the University the sum of \$487,513.46 as gifts and legacies as shown on Schedule 3. Included in these gifts is the donation of Mrs. Hattie M. Strong in the amount of \$251,095.26 for the erection of the Hall of Government, and the amount of \$193,497.73 representing the assets of the George Washington Memorial Association, which were transferred to the University by order of the court dissolving the former Association.

## LOAN FUNDS

During the year 635 short time loans totaling \$17,303.56 were made to students of the University.

## PLANT FUNDS

The Hall of Government, a gift of Mrs. Hattie M. Strong, was completed for the opening of the 1938-1939 school year. Real estate was increased \$338,711.79, including the purchase of the following new properties:

2109 G Street, NW.....	29,000
2111-17 G Street, NW.....	60,000
2114 H Street.....	20,000
810 21st Street, NW.....	9,000
725 22nd Street, NW.....	8,750
727 22nd Street, NW.....	4,750

During the year trust notes payable were reduced in the amount of \$60,930.

## ENDOWMENT FUNDS

During the past year the University continued its policy of setting aside all profits realized from the sale of securities in the Scottish Rite, Consolidated Endowment and Executory Trust Funds, into the respective reserve funds for the protection of the investments of these funds. In addition to this, ten per cent of the net income of each of these funds was likewise transferred to the respective reserve accounts.

CHARLES W. HOLMES,  
*Comptroller.*



THE GEORGE WASHINGTON UNIVERSITY  
BALANCE SHEET—AUGUST 31 1938

CURRENT FUNDS

Unrestricted

*Assets*

CASH .....	59,403.36
ACCOUNTS AND LOANS RECEIVABLE .....	
Due from:	
Faculty Club for Equipment....	3,033.45
Plant Funds .....	629.99
Loans .....	2,283.00
	<u>5,946.44</u>

TRUST NOTES RECEIVABLE  
(Schedule 18)

\$30,000 Note Receivable is pledged to secure  
one Note Payable—(Refer to Note Payable—  
Unrestricted) .....

48,000.00

INVENTORY (AT COST)

2,363.90

PREPAID EXPENSE

Supplies for (Schedule 15)  
School of Medicine... 11,933.70  
University .....

Duplicating Bureau .. 150.00

Salaries and other..... 1,991.66

33,806.26

CASH SURRENDER VALUE OF PERPETUAL FIRE IN-  
SURANCE .....

1,406.25

TOTAL UNRESTRICTED ..... 150,926.21

Liabilities

NOTE PAYABLE

Due October 14, 1938, Interest  $4\frac{1}{2}\%$ . Secured  
by Trust Note Receivable of \$30,000 pledged  
as collateral (Refer to Schedule 18) .....

9,270.00

DEFERRED INCOME

Prepaid Fees and Dormitory Rent.....

7,552.00

SURPLUS—(Schedule 1)..... 134,104.21

TOTAL UNRESTRICTED ..... 150,926.21

# Restricted

CASH ..... 11,763.65

BONDS  
\$39,000 Par Value USA Treasury  
Notes 3½% 1943-45..... 40,384.00

TOTAL RESTRICTED ..... 52,147.65  
TOTAL CURRENT FUNDS..... 203,073.86

(9)

Purpose	Unexpended	
	Gifts (Schedule 6)	Endowment Income (Schedule 30)
Research .....	1,662.15	
Schools .....		5,136.98
Professorships ..		1,913.45
Hospital .....		970.07
Scholarships .....		35,795.02
Prizes .....		989.91
Athletics .....		5,042.38
Miscellaneous ..	16.00	621.69
	<u>1,678.15</u>	<u>50,469.50</u>

TOTAL RESTRICTED ..... 52,147.65  
TOTAL CURRENT FUNDS..... 203,073.86

## LOAN FUNDS

CASH ..... 8,129.27  
LOANS RECEIVABLE ..... 86.00  
TOTAL LOAN FUNDS--(Schedule 26, Page 4) ..... 8,215.27

PRINCIPAL OF FUNDS  
(Schedule 22) ..... 8,215.27  
TOTAL LOAN FUNDS..... 8,215.27





INVESTMENTS (Schedule 28)	
Cash .....	46,921.22
Bonds .....	146,585.28
Equity in Consolidated Executory Assets (Schedule 26, Page 4) .....	100,579.29
	<u>294,085.79</u>
TOTAL UNINVESTED .....	
	<u>294,715.78</u>
PRINCIPAL OF FUNDS (Schedule 24)	
<i>Purpose</i>	
Renewals and Replacements.....	2,170.57
Retirement of Indebtedness (See Footnote) .....	16,082.31
Plant Additions .....	275,832.91
	<u>294,085.79</u>
TOTAL UNINVESTED .....	
	<u>294,715.78</u>

(11)

<i>Invested in Plant</i>	
<i>Book Value and Reserves for Depreciation</i>	
LAND AND BUILDINGS.....	3,394,751.63
(Schedule 20)	
(See Footnote)	
EQUIPMENT .....	526,529.57
LESS RESERVE..	301,815.17
(Schedule 21) .....	224,714.40
LIBRARY BOOKS..	165,419.20
LESS RESERVE..	71,644.10
(Schedule 21) .....	93,775.10
TOTAL INVESTED.....	3,713,241.13
TOTAL PLANT FUNDS.....	<u>4,007,956.91</u>
ACCOUNTS PAYABLE	
Due for Construction in Progress (Estimated) on Hall of Government.....	65,000.00
TRUST NOTES PAYABLE (Schedule 19) .....	1,005,210.23
(See Footnote)	
NET INVESTMENT (Schedule 2)	2,643,030.90
TOTAL INVESTED.....	3,713,241.13
TOTAL PLANT FUNDS.....	<u>4,007,956.91</u>

FOOTNOTE

A Trust Note of \$323,430.23 is included both in Endowment Funds—Trust Notes (Receivable) and in Plant Funds—Trust Notes Payable. The Trust Note is secured by Land and Buildings known as The George Washington University School of Medicine and Hospital with a book value of \$974,520.00 included in Plant Funds—Land and Buildings. The Plant Fund for Retirement of Indebtedness of \$16,082.31 is designated for the retirement of the Trust Note of \$323,430.23.

# SURPLUS—CURRENT FUNDS UNRESTRICTED

For the Year Ended August 31 1938

Balance September 1 1937..... 122,440.68

## ADDITIONS

### Excess of current income over current expense

	Current Income (Schedule 4)	Current Expense (Schedule 5)
Educational and general.....	1,238,055.14	1,141,668.50
Auxiliary enterprises.....	228,743.05	230,763.94
Other non-educational income and expense.....	4,874.00	47,581.15
	<u>1,471,672.19</u>	<u>1,420,013.59</u>
		51,658.60

(12)

## Other Additions:

Equipment charged to Student Club Expense (Schedule 15) but transferred to Plant Funds—Invested..... 249.59

### Surplus—September 1 1937 of Services:

Consolidated with Current Funds Unrestricted.....	33,679.94
Less—Duplicating Bureau Depreciation Fund transferred to Plant Funds Uninvested ..	<u>2,077.77</u>
	31,602.17

To reimburse Current Funds Unrestricted for Assets acquired in prior years, transferred to Plant Funds

### From Endowment Funds (Schedule 25):

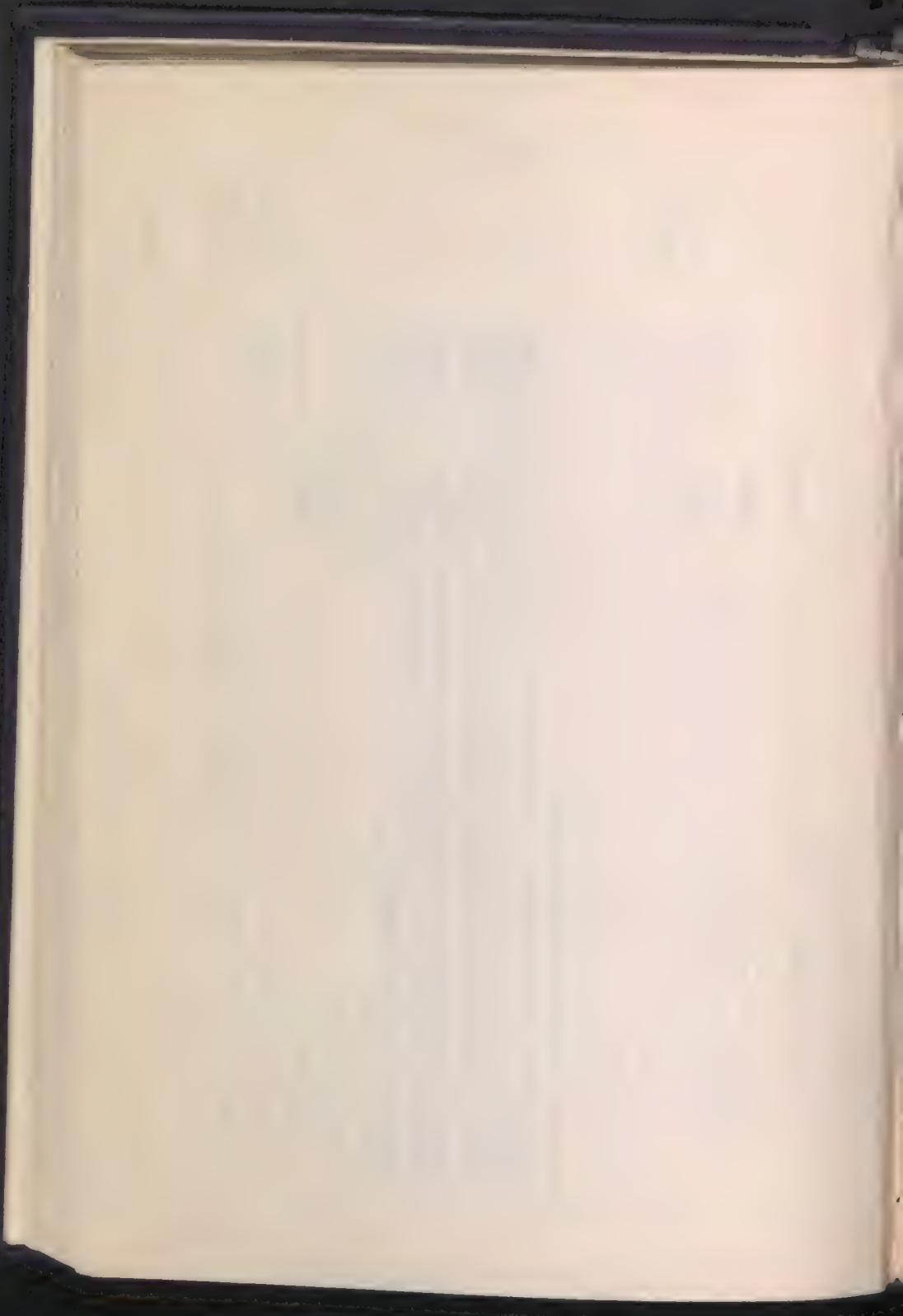
Richard E. Pairo Fund	87,000.00
Alice Dwelling Property.....	

From Plant Funds (Schedule 25):		
Hattie M. Strong Dormitory Fund		
Strong Hall—Building.....	3,182.09	
Strong Hall Furnishings Fund		
Strong Hall—Equipment.....	4,000.00	
Strong Hall of Government Fund		
Land .....	41,500.00	135,682.09
		<u>167,533.85</u>
		341,633.13

## DEDUCTIONS

Transferred to Endowment Funds (Schedule 25):		
Income 1932-37 of Trustees Fund added to Principal of Fund.....		113.35
Transferred to Plant Funds Uninvested (Schedule 25):		
Hattie M. Strong Dormitory Fund—Refund of Architect's Fees.....		285.37
Reserve for Reduction of Liability of Current and Plant Funds to Endowment Funds Principal—Balance September 1 1937.....		15,863.71
Transferred to Plant Funds Invested:		
Additions to (Schedule 2)		
Land and Buildings.....	105,389.77	
Equipment .....	17,940.46	
Library Books.....	7,006.26	130,336.49
Payments on Trust Notes Payable (Schedule 2).....		60,930.00
Balance August 31 1938—Exhibit A.....		<u>207,528.92</u>
		<u>134,104.21</u>





# THE GEORGE WASHINGTON UNIVERSITY

## NET INVESTMENT IN PLANT FUNDS INVESTED

For the Year Ended August 31 1938

BALANCE SEPTEMBER 1 1937..... 2,334,775.06

### ADD

#### Additions provided by:

	Land and Buildings	Equipment	Library Books
Current Funds Unrestricted (Schedule 1).....	105,389.77	17,940.46	7,006.26
Endowment Funds (Schedule 25).....		429.90	152.97
Plant Funds Uninvested (Schedule 25).....	140,194.94	5,234.96	
Gifts (Schedule 3).....			100.00
Charge to Expense 1936-37 (Garages).....	627.08		
	<u>246,211.79</u>	<u>23,605.32</u>	<u>7,259.23</u>

277,076.34

Payment of Trust Notes Payable by Current Funds Unrestricted (Schedule 1).....

60,930.00

2,672,781.40

### LESS

#### Depreciation 1937-38

Equipment.....	23,891.15
Library Books.....	5,859.35

29,750.50

BALANCE AUGUST 31 1938—EXHIBIT A..... 2,643,030.90

SCHEDULE 2

# GIFTS

For the Year Ended August 31 1938

## CURRENT FUNDS

### EDUCATIONAL AND GENERAL

#### RESTRICTED (Schedule 4)

Alumni Office—General Alumni Association.....	100.00	
School of Government—National League of Masonic Clubs.....	2,500.00	
School of Medicine—Davis, Dr. William T.....	50.00	2,650.00
Research (Schedule 6).....		<u>17,265.04</u>
		19,915.04 (16)

#### UNRESTRICTED (Schedule 4)

Anonymous .....	19.00
-----------------	-------

### ORGANIZED ACTIVITIES RELATING TO INSTRUCTIONAL DEPARTMENTS

#### HOSPITAL (Schedule 13)

Women's Board .....	1,404.06
---------------------	----------

### OTHER NON EDUCATIONAL ACTIVITIES

#### SCHOLARSHIPS (Schedule 4)

Metzerott, Gertrude Mrs.—Scholarship in the School of Medicine.....	726.00
Less Applicable to 1936-37 School Year.....	<u>242.00</u>
	484.00

Columbian Women—To assist various students.....	<u>325.00</u>
	809.00



Prizes (Schedule 4)

Alpha Delta Pi Sorority.....	10.00
Alpha Delta Theta Sorority.....	10.00
Briesen, Fritz V.....	25.00
Chi Omega Sorority.....	25.00
Cox, George Howland.....	25.00
Davis, Harry C.....	75.00
Delphi Honor Society.....	10.00
Delta Zeta Sorority.....	10.00
D. of C. D. A. R.....	15.00
Herrick, Samuel.....	25.00
Kappa Kappa Gamma Sorority.....	10.00
Phi Mu Sorority.....	10.00
Phi Sigma Sigma Sorority.....	10.00
Pi Beta Phi Sorority.....	20.00
Pi Lambda Theta Sorority.....	25.00
Sigma Kappa Sorority.....	20.00
Swisher History Club.....	10.00
	<hr/>
	335.00
	<hr/>
	1,144.00

(17)

ENDOWMENT FUNDS (Schedule 25)

UNRESTRICTED	
Campaign, 1923-24 Fund—Nellie McMichael.....	7.50
HOSPITAL	
Rust, Dr. Thomas L., Fund—Dr. Thomas L. Rust.....	5,000.00
ATHLETICS	
Pairo, Richard E., Fund—Realization of Not Appraised Assets.....	13,468.34
MISCELLANEOUS	
District of Columbia—D. A. R. Fund—District of Columbia D. A. R. Women.....	215.03
Worth, Wilma, Fund—Realization of Kearsanderman Interest.....	1,050.00

## GIFTS—(Continued)

## ENDOWMENT FUNDS (Schedule 25) (Continued)

## Miscellaneous (Continued)

## Graduate Endowment Fund

Boaz, Mrs. Noble.....	40.00
Brown, Josephine.....	10.00
Clapham, W. B.....	80.00
Claudy, Mrs. Carl H., Jr.....	30.00
Conklin, Mildred A.....	30.00
Dankberg, Dr. Julius.....	10.00
Dorsey, Harryman.....	10.00
DuBose, Camille.....	10.00
Earnest, Mildred.....	10.00
Eisenberg, Gerson.....	10.00
Feldman, Irving.....	10.00
Gray, Joseph E.....	10.00
Harper, Helen V.....	10.00
Horbett, J. E.....	10.00
Hussey, Hugh H., Jr.....	10.00
Kale, Norma J.....	10.00
Kirk, Charles R.....	10.00
Lane, Marcelle.....	20.00
Lockwood, Margaret M.....	10.00
McClure, Earl C.....	10.00
Miller, Earl D.....	10.00
Nielson, Mrs. E. A.....	10.00
Patterson, Richard S.....	10.00
Phi Delta Gamma Sorority.....	10.00
Poole, Martha S.....	10.00
Radue, Richard G.....	10.00
Ruediger, Imogene.....	10.00

Ruth, Dorothy M.....	10.00	
Shull, J. Marion.....	10.00	
Schlechta, Marie.....	10.00	
Smith, Stanley P.....	10.00	
Stokes, Dr. Walter L.....	10.00	
Talbott, Hamilton.....	10.00	
Toledo, A. Perez.....	10.00	
Thraasher, Mildred T.....	40.00	
Williard, John E.....	10.00	
	<u>540.00</u>	20,280.87

PLANT FUNDS (Uninvested) (Schedule 25)

Plant Additions

Engineering Club Room Fund—Engineers' Council.....	50.00	(19)
General Building Fund—Nellie McMichael.....	7.50	
George Washington Memorial Fund—George Washington Memorial Association.....	193,497.73	
Strong Hall of Government—Mrs. Hattie M. Strong.....	251,095.26	
	<u>444,650.49</u>	

PLANT FUNDS (Invested)

Library Books (Schedule 2)

Reichelderfer, Dr. Luther.....	50.00	
Wells, Captain Chester C.....	50.00	
	<u>100.00</u>	
TOTAL .....		<u>487,513.46</u>



## STATEMENT OF CURRENT OPERATING INCOME

## (1A) EDUCATIONAL AND GENERAL

## 1. Student Fees (Schedule 7)

Tuition and Laboratory.....	937,815.36
Miscellaneous .....	23,038.27
	<u>960,853.63</u>

## 2. Endowment Investments Income (Schedule 30)

Unrestricted .....	7,006.55
Restricted .....	57,906.02
	<u>64,912.57</u>

## 3. Gifts

Unrestricted (Schedule 3).....	19.00
Restricted (Schedule 3).....	2,650.00
Organized Research (Portion used) (Schedule 6) .....	17,054.84
	<u>19,723.84</u>

## 4. Other Sources

Principal, Worth Endowment Fund (Schedule 25).....	2,234.94
Interest Trust Notes Receivable Current Funds Unrestricted.....	2,280.00
Cash Discounts .....	1,696.75
Commission Collection of Doctor's Fees—Hospital.....	1,677.12
Homecoming Celebration.....	(99) 44
Rent on Institutional Property (Net) (Schedule 17).....	3,851.20
Miscellaneous .....	210.57
	<u>12,649.92</u>

Subtotal ..... 1,058,139.96

(1B) SALES AND SERVICES OF ORGANIZED ACTIVITIES RELATING TO INSTRUCTIONAL DEPARTMENTS

1. Hospital (Schedule 13).....	178,866.55
2. Laski Lectures.....	1,048.63
	<u>179,915.18</u>
Total Educational and General.....	<u>1,238,055.14</u>

(2) AUXILIARY ENTERPRISES AND ACTIVITIES

1. Residence Halls (Schedule 16).....	27,906.32
2. Services (Schedule 15).....	88,598.46
3. Student Activities (Schedule 14).....	97,974.00
	{ University fees.....
	{ Other income.....
	<u>14,264.27</u>
Total Auxiliary Enterprises.....	<u>228,743.05</u>

(21)

(3) OTHER NON-EDUCATIONAL INCOME

1. Scholarships { Endowment Investments—(Schedule 30).....	3,055.00
{ Gifts—(Schedule 3).....	809.00
	<u>3,864.00</u>
2. Prizes { Endowment Investments—(Schedule 30).....	675.00
{ Gifts—(Schedule 3).....	335.00
	<u>1,010.00</u>
Total Non-Educational Income.....	<u>4,874.00</u>
TOTAL OF ALL INCOME (Transferred to Schedule 1 to ascertain Net Income).....	<u>1,471,672.19</u>

SCHEDULE 4

# STATEMENT OF CURRENT OPERATING EXPENSE

## (1A) EDUCATIONAL AND GENERAL

1. General administration and general expense (Schedule 8).....	162,923.93
2. Instruction (Schedule 9).....	643,385.83
Physical Education (Schedule 11) {Men..... 16,077.52	
Women..... 11,675.95	27,753.47
3. Organized Research (Schedule 6).....	671,139.30
4. Libraries (Schedule 11).....	17,054.84
5. Operation and maintenance of physical plant (Schedule 12).....	17,754.55
Subtotal .....	98,170.73
	967,043.35

## (1B) SALES AND SERVICES OF ORGANIZED ACTIVITIES RELATING TO INSTRUCTIONAL DEPARTMENTS

1. Hospital (Schedule 13).....	171,969.08
2. Laski Lectures.....	2,656.07
Total Educational and General.....	174,625.15
	1,141,668.50

## (2) AUXILIARY ENTERPRISES AND ACTIVITIES

1. Residence Halls (Schedule 16).....	14,683.71
2. Services (Schedule 15).....	97,570.82
3. Student Activities (Schedule 14).....	118,509.41
Total Auxiliary Enterprises.....	230,763.94

## (3) OTHER NON-EDUCATIONAL EXPENSE

1. Scholarships	
Awarded by University.....	11,282.67
Awarded from Endowment Funds (Schedule 30).....	3,055.00
Awarded from Gifts Received (Schedule 3).....	809.00
2. Prizes	
Awarded by University.....	20.00
Awarded from Endowment Funds (Schedule 30).....	675.00
Awarded from Gifts Received (Schedule 3).....	335.00
3. Interest on loans.....	31,404.48
Total Non-Educational Expense.....	47,581.15

TOTAL OF ALL EXPENSES (Transferred to Schedule 1 to ascertain Net Income)..... 1,420,013.59



# RESERVES—CURRENT FUNDS RESTRICTED

## For the Year Ended August 31 1938

### Purpose and Donor

#### SPECIAL RESEARCH

#### SCHOOL OF ENGINEERING

	Balance September 1 1937	Add Gifts	Less Charges	Balance August 31 1938
Calcium Chloride Association.....	874.71	2,600.00	{ 2,400.00 S 169.89 P }	904.82
SCHOOL OF MEDICINE				
American Medical Association.....	184.95		{ 80.17 P 500.00 S 243.66 P }	104.78
Carnegie Corporation.....		1,000.00	{ 960.00 S 1,161.08 P }	256.34
Kane and Kotz, Drs.....		2,121.08	{ 430.50 P 1,200.00 P }	69.50
Lederle Laboratories.....		500.00		
Lilly Company.....		1,200.00		
Lilly Toxin Antitoxin.....		{ 600.00 (186.86) R 1,104.80 }	{ 413.14 P 1,041.08 P 129.30 P }	63.72 128.02 134.97
Mothers Health Clinic.....				
National Academy of Sciences.....		257.32		
National Research Council.....		134.97		
Parke Davis Company.....		1,500.00	{ 700.00 P 800.00 S }	
Rockefeller Foundation.....		{ 8,000.00 (1,173.98) R }	{ 4,000.00 S 1,877.43 P 948.59 E }	

#### MISCELLANEOUS

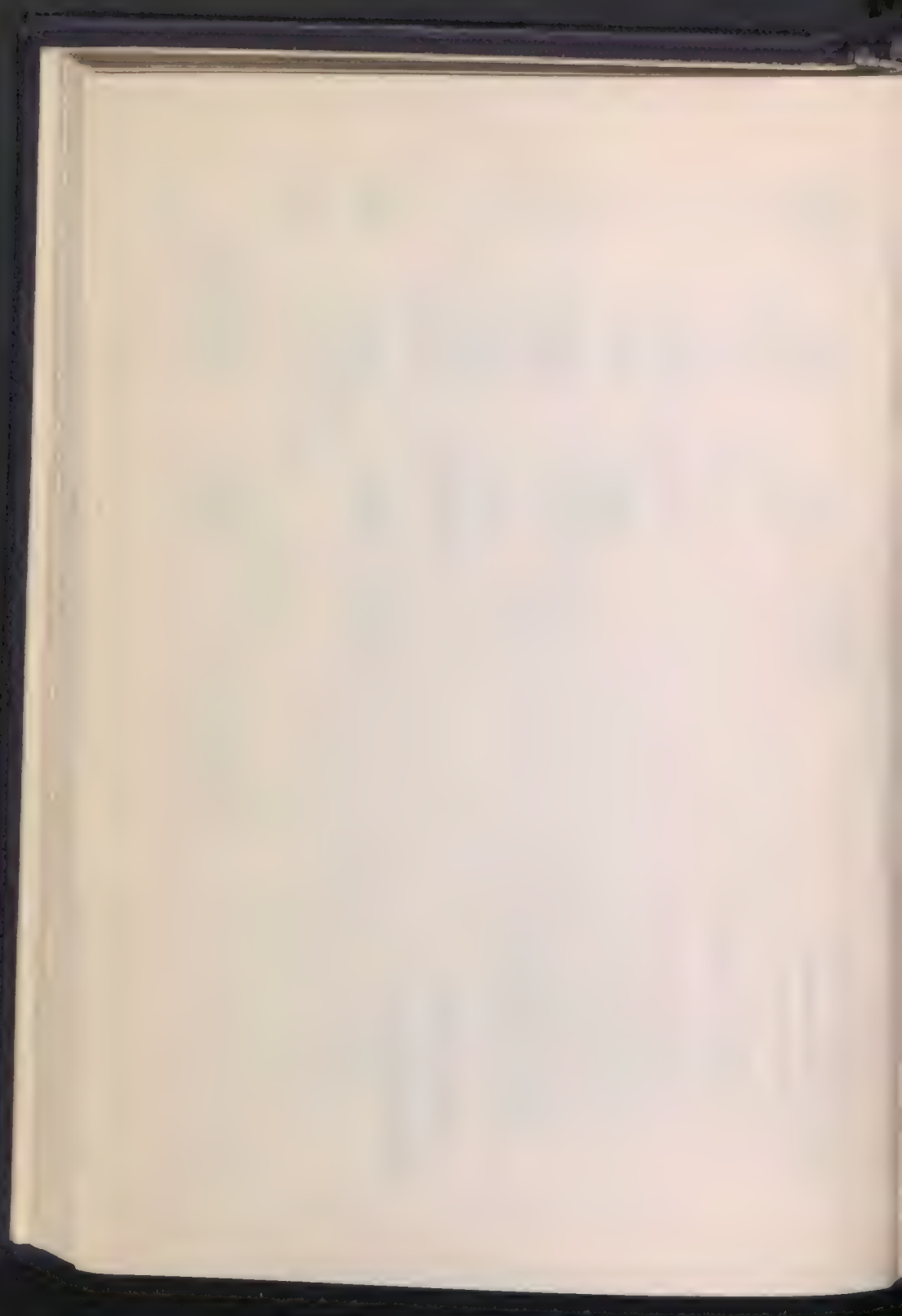
Hope Lodge No. 20.....	16.00			16.00
	<u>1,467.95</u>			<u>1,678.15</u>
		Exhibit A:		
		Research.....	1,662.15	
		Miscellaneous.....	16.00	
			<u>1,678.15</u>	

#### Special Research

Received.....	18,625.88
Returned Unused.....	(1,360.84) R
(Schedule 3) .....	<u>17,265.04</u>

8,660.00 S Salaries
7,446.25 P Supplies
948.59 E Equipment
<u>17,054.84 (Schedules 4-5)</u>

SCHEDULE 6



# INCOME—STUDENT FEES TUITION, LABORATORY AND MISCELLANEOUS

For the Year Ended August 31 1938

TUITION AND LABORATORY FEES		MISCELLANEOUS FEES	
Junior College .....	322,165.34	Binding Theses .....	276.00
Columbian College .....	76,722.65	Breakage Fees .....	2,637.47
Division of .....		Duplicate Diplomas .....	20.00
Fine Arts .....	1,121.50	Entrance Examinations .....	60.00
University Students .....	85,201.00	Graduation .....	15,040.00
School of Government .....	21,885.63	Junior Certificates .....	3,170.00
		Library Fines .....	229.80
Graduate Council .....	507,096.12	Medical School Credentials .....	1,603.00
	4,915.00		
Division of .....		TOTAL—Schedule 4 .....	23,039.27
Library Science .....	4,073.50		
School of .....		SUMMER SESSIONS TUITION (detailed)	
Education .....	33,661.41	College .....	
Engineering .....	49,201.03	Junior .....	18,808.19
Law .....	136,733.87	Columbian .....	8,317.00
Medicine .....	128,191.50	Graduate Council .....	48.00
Pharmacy .....	4,196.67	Division of .....	
Summer Sessions (detailed opposite) .....	68,010.55	Library Science .....	72.00
		University Students .....	14,776.86
Unallocated (Fees Old) .....	1,735.71	School of .....	
		Education .....	5,902.50
TOTAL—Schedule 4 .....	937,815.36	Engineering .....	2,760.00
		Government .....	2,184.00
		Law .....	15,142.00
			68,010.55

SCHEDULE 7



# EXPENSE--ADMINISTRATION AND GENERAL

For the Year Ended August 31 1938

(26)

Item	Total	President Provoost P	Comptroller	Director of Admissions Registrar	Personnel Depart- ment	Adviser to Students from Foreign Countries	Inter- American Center	Public Relations	Alumni
Salaries.....	100,473.88	28,290.80 3,250.00 P	34,750.53	7,231.00 A 12,467.35 R	3,404.20	800.00	3,000.00	2,700.00	4,580.00
Retirements.....	7,800.00	7,800.00							
Office Expense.....	9,120.37	298.17 33.53 P	3,893.63	1,350.00 A 2,144.97 R	204.36	12.19	100.00	588.34	495.18
Stationery, Printing, Postage.....	1,081.35	1,081.35							
Telephone.....	5,059.42		5,059.42						
Advertising.....	1,927.86		1,927.86						
Auditing.....	550.00		550.00						
Catalogs:									
Printing.....	6,554.17			6,554.17 A					
Mailing.....	376.78			376.78 A				276.30	
Clippings.....	276.30								
Commencement.....	8,833.14		8,833.14						
Emergency.....	4,712.03	4,712.03							
Entertainment.....	1,741.40	1,448.64			41.51	125.00	100.00		26.25
Entrance Exams.....	50.00			50.00 A					
Historical Research.....	600.00	600.00							
Homecoming Expenses.....	699.34								699.34
Investment.....									
Counsel Fee.....	1,700.00		1,700.00						
Laundry.....	25.76				25.76				



**EXPENSE—INSTRUCTION**  
For the Year Ended August 31 1938

College, Division or School	Total	Administration			Instruction		
		Salaries	Office Expense	Other Expense	Salaries	Laboratory Supplies	Other Expense
Junior College.....	.....	2,590.00	199.82				
Columbian College.....	.....	2,590.00	149.69				
Division of University Students .....	.....	1,640.00	147.07				
School of Government.....	.....	440.00	46.89				
Total .....	295,316.58	7,260.00	543.47	.....	276,133.69 •	10,164.19 •	993.52 F • 153.25 M • 68.46 E •
Division of Library Science.....	5,437.01	200.00	7.45	.....	5,200.00	29.56	.....
Graduate Council.....	435.35	.....	2.20	98.40 A • 184.75 E	.....	.....	150.00 A
School of Education .....	24,211.18	1,250.00	135.16	.....	21,888.00	510.33	91.69 F 336.00 S
Engineering .....	34,924.52	1,945.00	175.00	38.86 PC	32,030.00	735.66	.....
Law .....	69,422.49	4,353.20	700.00	180.05 DO 150.00 D	63,789.24	.....	400.00 F
Medicine .....	160,483.80	7,161.66	685.61	370.00 PR 734.20 SR	129,134.60 •	4,657.36 •	.....
Pharmacy .....	7,705.02	200.00	50.01	400.00 DO	7,240.00 R	9,950.37 R	15.00 P
Summer Sessions.....	45,449.88	2,660.00	234.60	1,005.35 PN 224.14 PO 201.00 S	6,840.00	600.01	.....
Total—SCHEDULE 5.....	643,385.83	25,029.86	2,533.50	3,586.75	582,730.53	27,297.27	2,207.92
					R	Research	R

• (Refer to Schedule 10) •



*Details of "Other Expenses"*

<i>Administration</i>	<i>Other Expense</i>	<i>Instruction</i>	<i>Other Expense</i>
Announcements .....	98.40 A		
Dues .....	150.00 D		
Deans Operating Fund.....	580.05 DO		
Examiners Expense.....	184.75 E	Assignments .....	150.00 A
Physics Colloquium .....	38.86 PC	Examinations .....	68.46 E
Printing .....	1,005.35 PN	Maintenance .....	153.25 M
Postage .....	224.14 PO	Office Expense .....	1,485.21 F
Professional Reprints.....	370.00 PR	Repairs .....	15.00 P
Social .....	201.00 S	Supervising Teachers .....	
Students Room Rents.....	734.20 SR	Scholarships .....	336.00 S
	3,586.75		2,207.92

## EXPENSE—INSTRUCTION DETAILED

For the Year Ended August 31 1938

<i>College, Division or School</i>	<i>Salaries</i>	<i>Laboratory Supplies</i>	<i>Office Expense</i>	<i>Maintenance</i>	<i>Examina- tions</i>
<i>JUNIOR AND COLUMBIAN COLLEGES</i>					
<i>SCHOOL OF GOVERNMENT</i>					
<i>DIVISIONS OF FINE ARTS, JOURNALISM</i>					
<i>AND UNIVERSITY STUDENTS</i>					
Biology .....	3,450.00	257.50	10.95	.....	.....
Botany .....	9,175.00	415.74	35.00	12.31	.....
Business Administration .....	9,800.00	.....	50.00	.....	.....
Chemistry .....	24,634.00	6,007.11	26.60	140.94	.....
Classical Languages and Literature .....	2,100.00	.....	10.27	.....	.....
Economics .....	22,950.00	.....	75.36	.....	.....
English .....	41,450.00	.....	75.21	.....	.....
Extension .....	680.69	.....	.....	.....	.....
Fine Arts .....	9,350.00	1,000.33	35.11	.....	.....
Geology .....	1,650.00	134.90	15.00	.....	.....
Germanic Languages and Literature .....	8,100.00	.....	13.91	.....	.....
History .....	21,850.00	15.92	80.40	.....	.....
Journalism .....	1,200.00	.....	.....	.....	.....
Mathematics .....	13,250.00	.....	28.80	.....	.....
Philosophy .....	3,300.00	.....	19.26	.....	.....
Physics .....	24,934.00	599.00	39.97	.....	.....
Political Science .....	11,850.00	.....	44.89	.....	.....
Psychology .....	12,500.00	299.66	30.30	.....	68.46
Public Speaking .....	9,260.00	.....	139.99	.....	.....
Romance Languages and Literature .....	24,200.00	.....	44.31	.....	.....
Sociology .....	3,150.00	.....	50.12	.....	.....
Statistics .....	4,970.00	.....	139.01	.....	.....
Zoology .....	12,330.00	1,434.03	29.06	.....	.....
<b>TOTAL—SCHEDULE 9 .....</b>	<b>276,133.69</b>	<b>10,164.19</b>	<b>993.52 F</b>	<b>153.25 M</b>	<b>68.46 E</b>

# EXPENSE—INSTRUCTION DETAILED

For the Year Ended August 31 1938

## College, Division or School

### SCHOOL OF MEDICINE

	Salaries	Laboratory Supplies
Anatomy .....	10,100.00	639.55
Bacteriology, Hygiene and Preventive Medicine .....	26,520.00	799.62
Biochemistry .....	23,080.00	850.00
Dermatology .....	1,050.00	246.35
Experimental Medicine .....	6,200.00	138.63
Medicine .....	5,111.50	48.30
Neurology .....	2,130.00	800.20
Obstetrics and Gynecology .....	4,650.00	502.00
Ophthalmology .....	1,050.00	632.71
Oto-Rhino-Laryngology .....	1,850.00	.....
Pathology .....	14,194.10	.....
Pediatrics .....	1,650.00	.....
Pharmacology and Therapeutics .....	9,749.00	.....
Physiology .....	14,450.00	.....
Psychiatry .....	1,200.00	.....
Surgery .....	4,400.00	.....
Urology .....	1,750.00	.....
<b>TOTAL—SCHEDULE 9</b> .....	<b>129,134.60</b>	<b>4,657.36</b>

(31)

### SUMMER SESSIONS

Junior College .....	32.70
Chemistry .....	394.64
Physics .....	64.31
Statistics .....	10.00
Zoology .....	148.14
<b>TOTAL—SCHEDULE 9</b> .....	<b>649.79</b>

SCHEDULE 10



## EXPENSE—PHYSICAL EDUCATIONAL AND LIBRARY

For the Year Ended August 31, 1938

	Physical Education			Library
	Men	Women		
Salaries .....	13,953.77	9,300.40		16,130.00
Office Expense.....	68.26	199.69		198.28
Binding .....				900.00
Intramurals .....				
Laundry, Towels.....	823.46	202.58		
Library of Congress Cards.....	523.65			150.00
Reorganizing Science Libraries.....				151.72
Repairs and Replacements.....	63.83			99.55
Sports .....		1,198.28		
Storage .....				125.00
Supplies .....	144.55			
Swimming Pool Rent.....	300.00			
Transportation to Field.....		775.00		
YMCA Floor.....	200.00			
TOTALS—SCHEDULE 5.....	16,077.52	11,675.95		17,754.55

# EXPENSE—OPERATION AND MAINTENANCE OF PLANT

For the Year Ended August 31 1938

<b>JANITORS</b>		
Foreman .....	1,800.00	
Wages .....	35,807.58	
Window cleaning.....	805.00	
Supplies .....	6,493.81	44,912.39
<b>HEAT, LIGHT AND POWER</b>		
Electricity and Gas.....	13,989.54	
Coal .....	8,257.30	
Water .....	1,337.61	
Hauling .....	1,221.33	24,805.78
<b>GROUNDS</b>		
Landscape Supervisor.....	720.00	
Wages .....	5,027.21	
Supplies .....	620.70	6,367.91
<b>REPAIRS</b>		
Wages .....	3,923.38	
Supplies .....	8,081.19	
Plumbing and Roofing.....	1,000.00	
Steamfitting .....	399.05	
To Equipment.....	486.69	
Painting Corcoran and Stockton Halls.....	1,719.45	
Fence—West 2107 G Street N.W.....	116.00	
Heating Plant Buildings G and H.....	870.00	16,595.76
<b>OTHER EXPENSE</b>		
Insurance .....	4,320.95	
Taxes .....	1,167.94	5,488.89
<b>TOTAL—SCHEDULE 5.....</b>		<u>98,170.73</u>

SCHEDULE 12

STATEMENT OF OPERATING INCOME AND EXPENSE  
OF  
THE GEORGE WASHINGTON UNIVERSITY HOSPITAL  
For the Year Ended August 31 1938

INCOME		EXPENSE—(Continued)	
Board and Care of Patients		X-RAY	
Private rooms.....	65,008.71	Salaries .....	4,900.00
Semi private rooms.....	11,104.01	Medical and Surgical Supplies.....	1,731.36
Open wards.....	35,573.05	Maintenance of Equipment.....	1,140.14
Board of Special Nurses and Guests.....	3,919.72	Other Supplies.....	253.62
Special Nursing Care.....	705.50		8,025.12
Delivery room .....	3,349.20	HOUSEKEEPING	
Operating room.....	10,276.60	Salaries .....	5,623.28
Out Patient Department.....	640.60	Bedding .....	1,457.97
Pharmacy .....	8,809.65	Linen and Dry Goods Material.....	807.47
Other Hospital Services.....	191.80	Laundry .....	8,946.52
Sale of Supplies.....	544.62	Maintenance of Equipment.....	30.10
Telephone and Telegraph.....	411.69	Other Supplies.....	1,321.08
Commissions			18,206.42
Laboratories (Pathology).....	8,148.92	DIETARY	
X-Ray Department.....	8,789.25	Salaries .....	9,077.58
Endowment Income (Schedule 30).....	858.71	Food .....	26,470.08
Gifts		China, Silverware, Kitchen Utensils..	416.72
From the Women's Board (Restricted)		Gas .....	1,013.98
1936-37 .....	1,138.78	Maintenance of Equipment.....	115.00
1937-38 (Schedule 3) .....	1,404.06	Other Supplies.....	179.85
			37,273.21
Group Hospitalization.....	2,542.84	MEDICAL RECORD AND LIBRARY	
Community Chest of Washington D C.....	1,165.25	Salaries .....	1,440.00
Other .....	16,762.24	Other Supplies.....	70.85
	64.19		1,510.85
TOTAL INCOME (Schedule 4) .....	178,866.55	HEAT, LIGHT, POWER	
		Coal and Wood.....	1,482.25
		Electrical Supplies .....	372.64
		Electricity .....	3,246.13
			5,101.02



## EXPENSE

## MEDICAL AND SURGICAL CARE

Salaries .....	2,700.00
Patients Clothing .....	97.56
Medical and Surgical Supplies .....	5,464.22
Surgical Instruments and Small Apparatus .....	268.05
Maintenance and Repairs to Equipment .....	50.65
New Equipment .....	85.76
Other .....	4,400.99

13,067.23

## NURSING CARE

Salaries .....	45,847.24
LABORATORIES	
Salaries .....	5,145.00
Medical and Surgical Supplies .....	235.83
New Equipment .....	148.54
Other Supplies .....	963.91

6,493.28

## OUT PATIENT DEPARTMENT

Salaries .....	4,271.00
New Equipment .....	772.60
Other Supplies .....	51.17

5,094.77

## PHARMACY

Salaries .....	1,437.50
Drugs and Chemicals .....	9,386.10
Other Supplies .....	37.40

10,861.00

(35)

## MAINTENANCE AND REPAIR OF BUILDINGS

Salaries .....	2,192.42
Material for Repairs .....	2,236.14
Other Supplies .....	237.50

4,666.06

## MAINTENANCE OF GROUNDS

Salaries .....	720.00
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## ADMINISTRATION

Salaries .....	9,241.14
Stationery, Printing, Supplies .....	(89) 69
Postage .....	345.48
Telephone and Telegraph .....	2,243.13
Auditing .....	300.00
Collection Expense .....	591.25
Bad Debts .....	137.65
Street Car and Taxi Fares .....	32.05
Freight, Express, Drayage .....	248.02
Dues and Memberships .....	34.07
Insurance .....	1,028.71
Maintenance of Equipment .....	48.54
New Equipment .....	163.15

15,102.88

TOTAL EXPENSE (Schedule 5) .....

171,969.08

NET INCOME 1937-38 .....

6,897.47

NOTE: Hospital Net Income is ascertained without allocating to the Hospital that portion of University Administrative and General Expense allocable to the Hospital.

SCHEDULE 13

INCOME AND EXPENSE—STUDENT ACTIVITIES  
For the Year Ended August 31 1938

Activity	Bond	Health Adminis- tration	Hatchet	Law Review	University Press	Publi- cations Office	Cherry Tree
<b>INCOME</b>							
Grant University Fees.....	1,210.00	10,000.00	6,200.00	1,150.00	.....	.....	.....
Advertising .....	.....	.....	7,538.22	.....	.....	.....	.....
Sales .....	.....	.....	.....	2,201.05	478.12	.....	3,339.22
	1,210.00	10,000.00	13,738.22	3,351.05	478.12	.....	3,339.22
<b>EXPENSES</b>							
Salaries .....	800.00	5,000.00	.....	.....	.....	1,320.00	.....
Office Expense.....	27.15	.....	.....	.....	.....	1,167.78	.....
Uniforms .....	235.60	.....	.....	.....	.....	.....	.....
Hospital, Medical Services.....	.....	4,984.20	.....	.....	.....	.....	.....
Printing .....	.....	.....	9,289.36	2,203.94	.....	.....	.....
Engraving .....	.....	.....	431.80	.....	.....	.....	3,476.40
Circulation .....	.....	.....	563.47	79.80	.....	.....	.....
Advertising .....	.....	.....	408.04	.....	.....	.....	.....
	1,062.75	9,984.20	10,692.67	2,283.74	.....	2,487.78	3,476.40
<b>NET INCOME OR (DEFICIT).....</b>	<b>147.25</b>	<b>15.80</b>	<b>3,045.55</b>	<b>1,067.31</b>	<b>478.12</b>	<b>D (2,487.78)</b>	<b>D (137.18)</b>

# INCOME AND EXPENSE—STUDENT ACTIVITIES For the Year Ended August 31 1938

(37)

Activity	Debating	Dramatics	Glee Club	Men's Athletics	Student Activity Books	Student Council	Administrative Reserve
<b>INCOME</b>							
Grant University Fees.....	750.00	350.00	1,400.00	68,500.00	1,350.00	200.00	6,864.00
Plays .....		220.41					
1936-37 Deferred.....			98.74			67.93	
Co-op Books.....						256.00	
Freshman Mixer.....						64.58	
	750.00	570.41	1,498.74	68,500.00	1,350.00	588.51	6,864.00
<b>EXPENSES</b>							
High School Debate.....	300.15						
Other Expenses.....	500.00						
Plays .....		688.52	117.11	83,822.32	1,104.15	287.64	
Salaries .....			1,400.00				
Co-op Books.....						301.98	
	800.15	688.52	1,517.11	83,822.32	1,104.15	589.62	
NET INCOME OR (DEFICIT).....	D (50.15)	D (118.11)	D (18.37)	D (15,322.32)	245.85	D (1.11)	6,864.00

<b>RECAPITULATION</b>	
INCOME (Schedule 4)	
University Fees.....	97,974.00
Other Sources .....	14,264.27
	<u>112,238.27</u>
EXPENSES (Schedule 5) .....	<u>118,509.41</u>
NET DEFICIT .....	<u>(6,271.14)</u>



**INCOME AND EXPENSE—SERVICES**  
For the Year Ended August 31 1938

	Buff'n-Blue Room	Duplicating Bureau*	Stock Rooms*		Student Club	Totals (Schedules 4-5)
			Medical	University		
<b>INCOME</b>						
Sales .....	485.76	3,225.59	28,991.94	16,291.98	39,603.19	88,598.46
<b>COST OF GOODS SOLD</b>						
Inventories September 1 1937 .....		148.82	13,141.11	26,389.67	2,300.00	
Purchases of Merchandise, Supplies .....		1,425.89	25,819.77	17,050.28	30,309.02	
<b>Less</b>						
Inventories August 31 1938 (Exhibit A) ..		1,574.71	38,960.88	43,439.95	32,609.02	
		150.00	11,933.70	19,730.90	2,363.90	
		1,424.71	27,027.18	23,709.05	30,245.12	
<b>EXPENSES</b>						
Salaries .....		1,064.00	1,149.00	1,867.50	6,482.26	
Repairs .....		48.07	.....	.....	.....	
Depreciation (Schedule 25) .....		500.00	.....	.....	.....	
Equipment .....		.....	.....	.....	249.59	
Taxes .....		.....	170.23	.....	.....	
Operating Expense .....	485.76	.....	.....	.....	1,086.58	
Dividends to Students .....	.....	.....	2,061.77	.....	.....	
	485.76	3,036.78	30,408.18	25,576.55	38,063.55	97,570.82
<b>Net Income or (Deficit) .....</b>	.....	188.81	D (1,416.24)	D (9,284.57)	1,539.64	D (8,972.36)

\* Consisting largely of interdepartment transactions.

# INCOME AND EXPENSE—RESIDENCE HALLS

For the Year Ended August 31 1938

	Hattie M. Strong Residence Hall	Sorority Hall	Totals (Schedules 4-5)
<b>INCOME</b>			
Rents .....	22,500.97	5,207.50	
Miscellaneous .....	197.85		
	<u>22,698.82</u>	<u>5,207.50</u>	<u>27,906.32</u>
<b>EXPENSE</b>			
Salaries .....	1,392.20		
Office Expense .....	36.42		
Matrons Supplies .....	82.06		
Telephone .....	1,460.25		
Overnight Guest Expense .....	4.14		
Wages—Fireman and Maids .....	3,507.20		
Heat, Light and Power .....	2,439.46	418.00	
Water Rent .....	207.83	29.80	
Supplies .....	1,046.15	132.47	
Repairs .....	840.70	534.53	
Equipment Repairs .....	411.71		
Elevator Maintenance .....	468.00		
Interest .....		848.25	
Taxes .....		824.54	
	<u>11,896.12</u>	<u>2,787.59</u>	<u>14,683.71</u>
<b>NET INCOME</b> .....	<u>10,802.70</u>	<u>2,419.91</u>	<u>13,222.61</u>

INCOME AND EXPENSE  
RENTED INSTITUTIONAL PROPERTY  
For the Year Ended August 31 1938

INCOME	21st Street NW (606-08)	22nd Street NW (see below)	G Street NW (2106)	Sherman Avenue	Total
Rents .....	974.25	3,993.52*	1,603.50	11.75	6,583.02
EXPENSE					
Repairs .....	92.16	575.30	.....	11.75	679.21
Electricity, Gas and Water.....	.....	89.46	.....	.....	89.46
Commissions to Agents.....	48.66	190.26	79.87	.....	318.79
Insurance .....	15.25	15.25	.....	.....	30.50
Interest .....	.....	77.61	489.42	.....	567.03
Taxes .....	228.32	587.27	204.76	.....	1,020.35
Other .....	9.40	.....	17.08	.....	26.48
	393.79	1,535.15	791.13	11.75	2,731.82
NET INCOME.....	580.46	2,458.37	812.37	.....	
SCHEDULE 4.....					3,851.20
	700-700½-704	2,419.17			
	706	289.50			
	714	111.50			
	724	780.00			
	725	381.67			
	727	11.68			
		3,993.52*			

(40)



TRUST NOTES RECEIVABLE  
CURRENT FUNDS UNRESTRICTED  
August 31 1938

GARFIELD MEMORIAL HOSPITAL

Due \$1,000 on November 11 1938, and each May and November 11 thereafter through May 11 1947. Interest 4%.  
Numbers 3 through 20. Secured by lots 800, 801, 806 and 809; square 2864. Formerly the Sherman Avenue Property. 18,000

HARRY AND COMPANY

Due July 9 1945. Interest 5%. Number 11. Secured by lots 53 and 54, square 248. Pledged to secure Note Pay-  
able of \$9,270..... 30,000

TOTAL—EXHIBIT A.....  
48,000

TRUST NOTES PAYABLE  
INVESTED IN PLANT

August 31 1938

<i>Due to and Property Held as Security</i>	<i>Lot</i>	<i>Square</i>	<i>Date Due</i>	<i>Interest Rate</i>	<i>Principal</i>
American Security and Trust Company Stockton Hall.....	44	102	A*	4 1/2%	150,000.00
George Washington University, The The George Washington University School of Medicine and Hospital at 1335-41 H Street NW. Interest in \$350,000 note payable to the Washington Loan and Trust Company, secured by deed of trust on the above Land and Buildings, executed by The University to the National Savings and Trust Company, Trustee, December 1 1910.....			B*	0	323,430.23
Metropolitan Life Insurance Company 2026 G Street NW.....	15	103	C*	6%	2,830.00
Riggs National Bank					
Biological Sciences Building.....	45	102			
Fine Arts Building.....	8	79			
Liner Library (Site).....	833	102			
Social Sciences Building.....	24, 25, 28, 29, 30	102			
G Street NW 2033.....	31, 32, 800, 801	102			
H Street NW 2010-12-14-16.....	805, 806	102			
20th Street NW 712-14-16.....	823, 824, 825, 826	102	D*	4 1/2%	276,250.00
21st Street NW 713-15-16.....	40, 41, 42	102			
	807, 808	102			
	830, 831	79			
2003 G Street NW.....	27	102	4-16-40	4 1/2%	4,000.00

Roy, James C., 725 22nd Street NW.....	812, 813	79	6-5-40	5½%	4,000.00
Ryan, Annie T., Sorority Hall.....	805	79	10-28-41	4½%	18,200.00
Walton, Edna F., 2106 G Street NW.....	817	80	6-10-40	4½%	10,500.00
Washington Loan and Trust Company Corcoran Hall.....	43	102	12-14-38	4½%	216,000.00
TOTAL—EXHIBIT A.....					<u>1,005,210.23</u>

(43)

- A \$5,000 due December 17, 1938 and 1939. Balance of \$140,000 due December 17, 1940.
- B On or before December 1, 1920.
- C \$190 on February and August 1st.
- D \$6,250 due on September 23rd and quarterly thereafter until September 23, 1946, when the remaining balance of \$70,000 will be due.



LAND AND BUILDINGS  
INVESTED IN PLANT  
For the Year Ended August 31 1938

<i>Building or Location</i>	<i>Lot</i>	<i>Square</i>	<i>Year Acquired or Erected</i>	<i>Balance September 1 1937</i>	<i>Additions</i>	<i>Balance August 31 1938</i>
Alley Dwelling Property.....	{ 5-13-28-805 thru 817 836-838-839 }	56	1936	87,080.00	.....	87,080.00
Biological Sciences Building.....	45	102	1914-35	151,129.97	.....	151,129.97
Cortcoran Hall .....	43	102	1919-24	327,481.92	.....	327,481.92
Fine Arts Building.....	8	79	1936	25,500.00	.....	25,500.00
Hall of Government.....	47-800-801	79	1918-38	41,500.00	205,194.94	246,694.94
Lisner Library (Site).....	833	102	1912	103,862.05	.....	103,862.05
Mechanical Laboratory .....	815-816-817	102	1923-30	43,667.49	.....	43,667.49
School of Medicine and Hospital.	43	250	1882-1932	974,520.00	.....	974,520.00
Social Sciences Building.....	{ 24-25-28-29-30 31-32-800-801 }	102	1922-36	269,279.60	.....	269,279.60
Sorority Hall .....	805	79	1936	36,120.50	869.22	36,989.72
Stockton Hall .....	44	102	1920-25	279,325.93	.....	279,325.93
Strong Hall .....	19-20-818-819	80	1925-36	246,994.27	192.63	247,186.90
G Street NW						
2003.....	27	102	1936	11,700.00	.....	11,700.00
2024.....	16	103	1922	14,000.00	955.00	14,955.00
2026.....	15	103	1929	15,074.96	.....	15,074.96
2033.....	805-806	102	1922	32,500.00	.....	32,500.00
2106.....	817	80	1937	19,000.00	.....	19,000.00
2109.....	802	79	1938	.....	29,000.00	29,000.00
2111-17.....	803-804	79	1938	.....	60,000.00	60,000.00
H Street NW						
2010-12.....	825-826	102	1924-25	58,331.44	.....	58,331.44
2014.....	824	102	1922	5,250.00	.....	5,250.00
2016.....	823	102	1929	14,000.00	.....	14,000.00
2018.....	822	102	1933	14,250.00	.....	14,250.00
2018½.....	821	102	1934	11,750.00	.....	11,750.00

H Street NW

2020-22.....	819-820	102	1928	31,066.71	.....	31,066.71
2024.....	818	102	1924	12,000.00	.....	12,000.00
2026.....	829	102	1925	10,200.00	.....	10,200.00
2114.....	H	79	1938	.....	20,000.00	20,000.00
2142.....	D	79	1935	1,500.00	.....	1,500.00
20th Street NW						
700.....	26	102	1931	17,500.00	.....	17,500.00
712.....	42	102	1929	14,240.00	.....	14,240.00
714.....	41	102	1930	14,500.00	.....	14,500.00
716.....	40	102	1929	13,500.00	.....	13,500.00
718.....	828-829-830	102	1929	20,000.00	.....	20,000.00
21st Street NW						
606-08.....	21-22	80	1935	12,500.00	.....	12,500.00
713.....	807	102	1932	12,000.00	.....	12,000.00
714.....	46	79	1931	40,000.00	.....	40,000.00
715.....	808	102	1929	12,000.00	.....	12,000.00
716.....	830-831	79	1934	8,885.00	.....	8,885.00
810.....	31	77	1938	.....	9,000.00	9,000.00
22nd Street NW						
700-700 1/2-704.....	801-802	56	1936	26,000.00	.....	26,000.00
706.....	801	56	1936	7,580.00	.....	7,580.00
714.....	834	56	1937	3,000.00	.....	3,000.00
724.....	26	56	1936	7,840.00	.....	7,840.00
725.....	812-813	79	1938	.....	8,750.00	8,750.00
727.....	814	79	1938	.....	4,750.00	4,750.00
23rd Street NW						
727-29.....	818-819	56	1937	9,410.00	.....	9,410.00
TOTAL.....				3,056,039.84	338,711.79	
EXHIBIT A.....				.....	.....	3,394,751.63

(45)

EQUIPMENT, LIBRARY BOOKS AND RESERVES FOR DEPRECIATION  
INVESTED IN PLANT

For the Year Ended August 31 1938

Equipment	Book Value			Reserves for Depreciation			Net Value August 31 1938	
	Balance September 1 1937	Additions	Balance August 31 1938	Balance September 1 1937	Additions	Balance August 31 1938	Amount	% of Book Value
Administration .....	64,356.16	7,529.32	71,885.48	30,176.50	4,736.90	34,913.40	36,972.08	51
Arts and Sciences.....	170,474.64	7,501.48	177,976.12	134,892.86	5,123.04	140,015.90	37,960.22	22
Band .....	3,201.03	141.24	3,342.27	3,130.03	212.24	3,342.27	.....	0
Biological Sciences Build- ing .....	20,724.36	.....	20,724.36	3,108.60	1,554.30	4,662.90	16,061.46	80
Duplicating Bureau.....	1,200.00	.....	1,200.00	.....	.....	.....	1,200.00	100
Fine Arts .....	1,081.85	51.58	1,133.43	503.24	85.06	588.30	545.13	50
Gymnasium .....	7,925.34	132.63	8,057.97	4,969.41	805.79	5,775.20	2,282.77	28
Hall of Government.....	.....	4,805.06	4,805.06	.....	360.40	360.40	4,444.66	92
Hospital .....	45,512.82	.....	45,512.82	.....	.....	.....	45,512.82	100
Library .....	1,317.16	108.57	1,425.73	664.71	106.89	771.60	654.13	45
Mechanical Laboratory..	12,440.02	974.26	13,414.28	4,449.70	1,006.00	5,455.70	7,958.58	58
School of Law.....	8,777.63	.....	8,777.63	6,858.18	179.82	7,038.00	1,739.63	20
School of Medicine.....	128,443.67	1,560.49	130,004.16	81,640.43	5,944.57	87,585.00	42,419.16	33
School of Pharmacy.....	9,793.36	551.10	10,344.46	5,210.94	775.86	5,986.80	4,357.66	42
Social Sciences Building..	5,606.34	.....	5,606.34	420.45	420.45	840.90	4,765.44	85
Strong Hall.....	18,117.63	.....	18,117.63	1,358.77	2,264.73	3,623.50	14,494.13	80
Student Club.....	3,952.24	249.59	4,201.83	540.20	315.10	855.30	3,346.53	80
TOTAL—EXHIBIT A.....	502,924.25	23,605.32	526,529.57	277,924.02	23,891.15	301,815.17	224,714.40	43



Library Books	Book Value			Reserves for Depreciation		Net Value August 31 1938	
	Balance September 1 1937	Additions	Balance August 31 1938	Balance September 1 1937	Additions	Balance August 31 1938	% of Book Value
Arts and Sciences.....	81,112.95	3,815.60	84,928.55	33,687.06	2,890.04	36,577.10	57
School of Law .....	60,314.05	2,652.70	62,966.75	24,875.37	2,325.13	27,200.50	57
School of Medicine .....	15,724.59	790.93	16,515.52	6,849.18	593.82	7,443.00	55
School of Pharmacy .....	1,008.38	.....	1,008.38	373.14	50.36	423.50	58
	158,159.97	7,259.23	165,419.20	65,784.75	5,859.35	71,644.10	
TOTAL—EXHIBIT A.....	.....	.....	165,419.20	.....	.....	93,775.10	57



# PRINCIPAL OF LOAN FUNDS

August 31 1938

## Funds

### DISTRICT OF COLUMBIA D.A.R. LOAN FUND

Created from income of the D. of C.-D. A. R. Fund. To be loaned to children of members. (Refer to Schedule 23, page 6).....	587.54
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### PHARMACY LOAN FUND

Created February 28 1933 by the W.O.N.A.R.D. to be loaned to students of The School of Pharmacy for payment of tuition in The University.....	155.69
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### STUDENT LOAN FUND

Created by The University to make short time loans for educational purposes .....	7,472.04
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<b>TOTAL—EXHIBIT A.....</b>	<b>8,215.27</b>
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PRINCIPAL OF ENDOWMENT FUNDS

August 31 1938

(Of which may be used only the Income I; Principal and Income P)

UNRESTRICTED

Funds

*Acker, George N., Fund*

Bequest of George N. Acker, M.D., of Washington, D. C., received July 2 1924. An unconditional gift carried as a general endowment by direction of the Board of Trustees. ....

300.00 I

*Alumni Endowment Fund*

Established by the Senior Class of 1920, as a testimonial of grateful appreciation, to be added to by succeeding graduating classes, the income only to be used for the general welfare of the University, as directed by the Board of Trustees. ....

542.00 I

Funds

*Subscription Gifts Fund 1845-51*

Raised by authority of the Trustees of Columbian College by general subscription between the years 1845-51 as a permanent endowment for the support of the College. (Formerly called the Poindexter Endowment Fund). ....

12,525.56 I

*Syms Fund*

Bequest of Samuel Syms of West Hoboken, New Jersey, in 1891, to Columbian University to be applied by the Trustees toward the endowment of the College proper. ....

1,500.00 I

*Campaign Fund 1923-24*

Receipts through the Treasurer of the Fund, from various donors, invested as a general endowment.....

186,714.38 I

*Corcoran Fund*

Raised by authority of the Trustees of Columbian College and Columbian University between the years 1871-86, to be forever held inalienable, and not to be diminished by use for the support of the institution, but the whole amount to be invested, in the discretion of the Trustees and according to their best judgment, and the interest thereon or the income therefrom to be used for the current expenses and support of the institution, William W. Corcoran, of Washington, D. C., giving \$112,000 and the balance being obtained by general subscription.....

220,155.76 I

*Trustees Fund*

Contributions by the Board of Trustees of The University during the 1932-33 year, to increase the general endowment of The University .....

1,148.97 I

*Withers Fund*

Raised by authority of the Trustees of Columbian College between the years 1851-70 for increasing the endowment fund of the College, John Withers of Alexandria, Virginia, giving \$16,000, the balance being obtained by general subscription. (Formerly called the Forty Thousand Dollar Endowment Fund.)....

26,891.46 I

(51)

TOTAL—UNRESTRICTED—EXHIBIT A..... 449,778.13 I

# PRINCIPAL OF ENDOWMENT FUNDS

August 31 1938

## SCHOOL FUNDS

### GOVERNMENT

#### Scottish Rite Endowment Fund

A fund of One Million Dollars, created by indenture December 27 1928 by the Supreme Council of the Ancient and Accepted Scottish Rite of Freemasonry of the Southern Jurisdiction of the United States of America, as a permanent memorial to George Washington, The Mason, and in consideration of its high esteem of The University as an institution of learning. The Principal of the fund is "to be held by The University in trust, in perpetuity, and by the Board of Trustees of The University to be safely invested and the income thereof used in the establishment and maintenance by The University as a part of its institution of learning of a School or Department of Government designed to perpetuate the principles of human freedom, the rights of man, and the sovereignty of the people, as those principles are enunciated in the Constitution of the United States and embodied in the system of State and Federal Governments composing the United States of America".....

1,000,000.00 I

### MEDICAL—(Continued)

#### Gardner Medical School Fund

Bequest of William D. Gardner, received in 1928, the income to be used for the support of The School of Medicine .....

4,486.55 I

#### General Medical Endowment Fund

Created February 3 1932 by the initial gift of Gertrude S. Rosson, the income to be used for the support of The School of Medicine.....

300.00 I

#### Lewis Medical School Fund

Bequest of Samuel E. Lewis, received in 1925, the income to be used for the support of The School of Medicine...

103,304.15 I



Medical.

*Borden, William Cline, Medical Fund*

Created December 8 1932 by Dr. and Mrs. William Cline Borden, the net income to be devoted to the maintenance or underwriting of lectureships in medical science to be known as the William Cline Borden Lectures on Surgery or Medical Science.....

2,230.39 I

*Cooper Medical Research Fund*

Bequest of Mrs. Eleanor J. Cooper of Washington, D. C., in 1905 to Columbian University on certain terms since modified by the Supreme Court of D. C. as follows: The income to be devoted towards the establishment and maintenance, in connection with the Medical Department of The George Washington University, of a Research Laboratory, the work of this laboratory to be devoted to the investigation of the nature, causation, prevention and cure of malaria and other infectious and contagious diseases .....

10,000.00 I

*Sharpe Medical School Fund*

Gift of Mary A., Elizabeth M., and Sallie Sharpe in 1924 to establish a fund in trust, the income to be used exclusively for The School of Medicine. Principal of fund held in trust for investment by the National Savings and Trust Company, Trustee....

8,000.00 I

PHARMACY

*Gibbs Pharmacy Fund*

Gift of M. G. Gibbs of Washington, D. C., the income to be used to aid in establishing and maintaining a commercial pharmacy course in connection with The School of Pharmacy...

10,000.00 I

TOTAL—SCHOOLS—EXHIBIT A..... 1,138,321.09 I

# PRINCIPAL OF ENDOWMENT FUNDS

August 31 1938

## Funds

### PROFESSORSHIPS

#### *Alumni Professorship Fund*

Gifts of various alumni since 1911, for the endowment of an Alumni Professorship in Mathematics.....

829.49 I

#### *Carroll, Mitchell, Professorship Fund*

Established by Mary A. Sharpe, April 17 1928, to memorialize Professor Mitchell Carroll, the income to be used to provide revenue for a chair in Archaeology.....

500.00 I

#### *Congressional Professorship Fund*

Donation by the United States in 1832, by Act of Congress, of \$25,000 in city lots in Washington, D. C., to be sold and the proceeds invested as capital, the dividends or interest to be used and applied, in aid of other revenues of Columbian College, to the establishment and endowment of such professorships therein "as now are, or hereafter shall be, established by the Trustees" .....

105,362.95 I

## Funds

### HOSPITAL—(Continued)

#### *General Hospital Endowment Fund*

Bequest of Dr. I. M. Cassanowicz, received in 1929, the income to be used for the support of The University Hospital .....

100.00 I

#### *Kimmel, Annie, Hospital Fund*

Created March 4 1932 by bequest of the late Annie Kimmel to The George Washington University "for the benefit of its Hospital" .....

3,070.17 P

#### *Kuhlbank, Freda, Hospital Fund*

Bequest of the late Freda Kuhlbank to The George Washington University Hospital for a bed or beds in the White Ward to be known as the "Freda Kuhlbank Bed." The income of this bequest to be added to the principal of the fund until the principal shall be sufficient to produce an income large enough to maintain a bed in the White Ward of The George Washington University Hospital.....

799.36 I

#### *National Park Seminary Hospital Fund*

Gift of students of National Park Seminary of Forest Glen, Maryland, in 1906, for the endowment of a bed in The University Hospital.....

500.00 I

*Depew, Chauncey M., Course in Public Speaking Fund*

Established April 29 1936 by Mrs. May Depew, the income to be used for the maintenance or underwriting in The University of a Course for the Teaching of Speech as Related to Public Life.....

152,700.93 I

*Elton Professorship Fund*

Bequest of Rev. Romeo Elton of Exeter, England, in 1872, to be applied to the foundation of a professorship of mental and moral philosophy in Columbian College, to be called the Elton Professorship of Mental and Moral Philosophy.....

14,508.19 I

*Yulee, Nancy, Endowment Fund*

Bequest of Nannie Yulee Noble in memory of her mother, Nancy Yulee, the income to be used for lectures in Home Economics, Fund established April 22 1929.....

5,000.00 I

TOTAL—PROFESSORSHIPS—EXHIBIT A..... 278,901.56 I

## HOSPITAL

*Chapman Hospital Fund*

Bequest of Mrs. Susanna A. Chapman of Washington, D. C., in 1911, the income to be used for the purposes of the free wards of The University Hospital.....

1,225.90 I

*Reinhardt Hospital Fund*

Bequest of Mrs. Luisa Wynne Reinhardt of Washington, D. C., in 1922 to The University Hospital, the income to be used for the benefit of the Hospital, as directed by the Board of Trustees.....

500.00 I

*Rust, Dr. Thomas L., Hospital Fund*

Bequest of Dr. Thomas L. Rust, "for the use of The George Washington University Hospital".....

5,000.00 P

*Tree Hospital Fund*

Bequest of Lambert M. Tree of Chicago, Illinois, in 1911, in memory of his mother, Mrs. Laura M. Tree, to Columbian University, the income to be used to support and maintain one or more beds in perpetuity in The University Hospital to be known as the "Laura M. Tree bed or beds"....

10,000.00 I

*Women's Board Hospital Fund*

Gift of the Board of Lady Managers of The George Washington University Hospital, in 1925, to establish a fund, the income to be used for the support of The Hospital.....

1,000.00 I

*Woodbury Hospital Fund*

Bequest of Miss Allen DeQ. Woodbury of Washington, D. C., in 1909, the income to be used for the reception and treatment of female patients in the Hospital belonging to or connected with The University.....

10,000.00 I

TOTAL—HOSPITAL—EXHIBIT A.....  
 { 24,125.26 I  
 8,070.17 P



# PRINCIPAL OF ENDOWMENT FUNDS

August 31 1938

## SCHOLARSHIP FUNDS

### *Andrews, Byron, Memorial Scholarship Fund*

Gift of Mrs. Belle Fisk Andrews, in memory of her husband, Byron Andrews, to provide scholarships "for ambitious and needy students in English, Latin, Journalism, History, Literature or Political Science." Principal of fund held in trust for investment by the American Security and Trust Company, Trustee.....

5,000.00 I

### *Brown, Elizabeth V., Scholarship Fund*

Created by the College Women's Club of Washington, D. C., in 1925, as a memorial to Elizabeth V. Brown, the income to be used for scholarships in The School of Education.....

1,200.00 I

### *Carr, Emma K., Scholarship Fund*

Bequest of Emma K. Carr of Moorefield, West Virginia, dated June 9 1926, to The George Washington University, to "found for white boys or young men one or more scholarships in that University to be known as the Carr Scholarships".....

48,844.25 I

### *Carter, H. H., Scholarship Fund*

Gift of Mrs. Maria M. Carter of Washington, D. C., in 1896, in memory of her husband, Henry Harding Carter, to Columbian University as a foundation for scholarships in Civil Engineering in Columbian College....

5,000.00 I

### *Harvey, Elma Lewis, Scholarship Fund*

Bequest of Mrs. Emma Elizabeth Harvey, in memory of her daughter, Elma Lewis Harvey, to found a scholarship in the Department of Arts and Sciences for young women of the Protestant faith and of the Caucasian race. Principal of fund held in trust for investment by The Washington Loan and Trust Company, Trustee.....

5,000.00 I

### *Herron, Lillian Young, Scholarship Fund*

Established in 1925 by The Columbian Women of The George Washington University, to provide scholarships for women in Columbian College. (Formerly Third Columbian Women Scholarship Fund).....

5,000.00 I

### *Kendall Scholarship Fund*

Gift of Amos Kendall of Washington, D. C., in 1869, to Columbian College on behalf of Calvary Baptist Church in Washington, D. C., to purchase a classical scholarship. The Trustees of Public Schools in Washington, D. C., to have the perpetual privilege of selecting from said schools one pupil annually to fill said scholarship, and the pupil so selected to be entitled to instruction in said College for the term of six years, free of charge for tuition, use of library, and apparatus, or for any other privilege allowed to paying students of the same grade.....

5,959.61 I

*Carter, M. M., Scholarship Fund*

Gift of Mrs. Maria M. Carter of Washington, D. C., in 1871, to Columbian College, to found a scholarship for some deserving young man.....

1,000.00 I

*Chamberlin, Grace Ross, Scholarship Fund*

Established in January, 1932, by The Columbian Women of The George Washington University to provide scholarships for women in Columbian College .....

2,300.00 I

*College Women's Scholarship Fund*

Gift of the College Women's Club of Washington, D. C., in 1926, the income to be used by The Columbian Women for scholarships.....

500.00 I

*Davis Scholarship Fund*

Gift of Isaac Davis of Worcester, Massachusetts, in 1869, the income to be appropriated to some student pursuing his collegiate course in Columbian College under specified conditions.

1,000.00 I

*Farnham Scholarship Fund*

Gift of Mrs. Robert Farnham of Washington, D. C., in 1871, to Columbian College for a scholarship in The College .....

1,000.00 I

*Founders of Columbian Women Scholarship Fund*

Established by The Columbian Women of The George Washington University, in 1920, to provide scholarships for women in Columbian College.....

5,000.00 I

*King, Isabella O., Memorial Scholarship Fund*

Request of Isabella O. King, by will dated March 15, 1920, the income to be used to provide a scholarship for special investigation in Biology.....

39,457.56 I

*Knapp, Nellie Maynard, Scholarship Fund*

Gift of The Columbian Women, in 1915, in memory of Mrs. Nellie Maynard Knapp, for scholarships for women in the Department of Arts and Sciences.....

5,000.00 I

*Morehouse Scholarship Fund*

Gift of A. Morehouse of Washington, D. C., in 1861, to Columbian College, with the design of adding to its ability to furnish gratuitous instruction to indigent students for the Christian ministry .....

1,500.00 I

*Powell Scholarship Fund*

Devise of real estate by Rear Admiral Levin M. Powell of Washington, D. C., in 1886, to Columbian University for the free education of young men by way of preparation for entrance in the Naval Academy at Annapolis, or to fit them to become mates and masters in the Merchant Marine Service of the United States

30,000.00 I

# PRINCIPAL OF ENDOWMENT FUNDS

August 31 1938

## SCHOLARSHIP FUNDS—(Continued)

*Sanders, Thomas Bradford, Fellowship Fund*

Bequest of Addie Sanders by will dated March 13 1928, to The George Washington University in memory of her late brother, Thomas Bradford Sanders, the income to be used by the proper authorities of The George Washington University in the exercise of their sole and absolute discretion for the establishment of annual scholarships in the several departments of said University, to assist young men and women in obtaining an education and furthering their causes. Principal of fund held in trust for investment by the National Savings and Trust Company, Trustee...

*Spencer, David, Scholarship Fund*

Devise in trust of real estate in Knox County, Illinois, the income to constitute an educational fund which under certain conditions shall be used to aid in defraying the expenses of designated students at The University. Principal of fund held in trust for investment by the Northern Trust Company of Chicago, Trustee.....

18,135.00 I

*Stone, Mary Lowell, Scholarship Fund*

Established in 1893 in memory of Miss Mary Lowell Stone by an anonymous gift to Columbian University for scholarships for needy women students of science in the Department of Arts and Sciences.....

2,000.00 I

*Walker Scholarship Fund*

Gift of William Walker, of Putnam County, Georgia, in 1824, for the endowment of a scholarship.....

2,500.00 I

*Wilson, Lewis D. and Myrtie H., Scholarship Fund*

Established by Miss Elizabeth Wilson in 1926, the income to be used by the Columbian Women for Scholarships..

1,000.00 I

*Withington Scholarship Fund*

Gift of the Board of Trustees of the New York Baptist Theological Seminary, on behalf of John Withington, of New York, in 1829, for the purpose of endowing a scholarship in Columbian College, to be named the Withington Scholarship.....

1,953.13 I

*Woodhull Scholarship Fund*

Bequest of Ellen M. E. Woodhull, of Washington D. C., the income to be used for scholarships.....

600.00 I

TOTAL—SCHOLARSHIPS—EXHIBIT A .....

369,625.85 I



# PRIZE FUNDS

## *Burns, Byrne Thurtell, Memorial Award Fund*

Gift of Mrs. Persia Burns May 22 1937, in memory of her son, Byrne Thurtell Burns, to establish an annual award in Chemistry.....

1,000.00 I

## *Cutter Prize Fund*

Gift of Marion Kendall Cutter of Washington, D. C., in 1902, to Columbian University, in memory of E. K. Cutter, for a prize to be awarded annually for excellence in the study of English.....

1,000.00 I

## *Davis Prize Fund*

Gift of Isaac Davis of Worcester, Massachusetts, in 1847, to Columbian College, for prizes to be awarded annually to such members of the senior class as shall have made the greatest progress in elocution since their connection with the College.....

700.00 I

## *Evans, Joshua III, Memorial Award Fund*

A memorial created upon behalf of the parents and friends of Joshua Evans III, to commemorate his attainments and to provide an annual award in Political and Social Sciences.....

1,100.00 I

## *Fitch Prize Fund*

Gift of James E. Fitch, of Washington, D. C., in 1883, to Columbian University, in memory of Willie E. Fitch for a gold prize to be assigned annually under the auspices of the Scientific School.....

1,000.00 I

## *Goddard Prize Fund (French)*

Gift of Mary W., Alice Douglas and Frederick J. Goddard of Georgetown, D. C., in 1923, in memory of Edward Carrington Goddard, class of '81, for a gold medal to be awarded annually to the student making the highest average in the French language and literature.....

675.00 I

## *Goddard Prize Fund (Commerce)*

Gift of Mary W., Alice Douglas and Frederick J. Goddard, of Georgetown, D. C., in 1923, in memory of Morgan Richardson Goddard, for a gold medal and a cash prize to be awarded annually to the student making the highest average in Commerce.....

1,169.00 I

## *Goddard Prize Fund (Pharmacy)*

Gift of Mary W., Alice Douglas and Frederick J. Goddard, of Georgetown, D. C., in 1923, in memory of James Douglas Goddard, for a gold medal to be awarded annually to the student making the highest average in Pharmacy.....

675.00 I

## *History Club Fund*

Unexpended portion of \$100 gift of Mr. Harold Keats, to be used in helping defray cost of Swisher Prize in History.....

50.00 P

# PRINCIPAL OF ENDOWMENT FUNDS

August 31 1938

## PRIZE FUNDS—(Continued)

<i>Hubbard Prize Fund</i>		
Gift of Mrs. Gertrude M. Hubbard of Washington, D. C., in 1907, in memory of her husband, Gardiner G. Hubbard, for a prize to be awarded annually to the student of The University, who, having maintained throughout four years a high standing in the classes of American History, may be required to present the best essay upon an assigned topic in this subject .....		500.00 I
<i>Larner Prize Fund</i>		
Bequest of the late John B. Larner to provide an annual prize in the Law School .....	1,000.00 I	
<i>Ordronaux Prize Fund</i>		
Bequest of John Ordronaux of Glen Head, New York, in 1909, for the establishment of biennial prizes in the Law and Medical Departments...	800.00 I	
<i>Ruggles Prize Fund</i>		
Gift of William Ruggles of Washington, D. C. (a professor in Columbian College and at one time Acting President) in 1859, to Columbian College, for a prize to be awarded annually for excellence in Mathematics.....	5,000.00 I	
<i>Staughton-Elton Prize Fund</i>		
Gift of Rev. Romeo Elton of Exeter, England, in 1860 and 1865, to Columbian College, for prizes to be awarded annually for excellence in the Latin and Greek Languages, one to be called the Staughton prize in Latin, the other the Elton prize in Greek.....		300.00 I
<i>Sterrett Prize Fund</i>		
Gift of Rev. J. MacBride Sterrett, in 1911, in memory of his son, J. MacBride Sterrett, Jr., for a gold medal to be awarded annually to the student obtaining the highest average in Physics .....		1,000.00 I
<i>Walsh Prize Fund</i>		
Gift of Thomas F. Walsh of Washington, D. C., in 1901, to Columbian University, for a gold medal to be awarded annually for excellence in Irish History.....		5,000.00 I
<i>Weddell Prize Fund</i>		
Gift of Mrs. Virginia Chase Weddell, in 1923, to found a prize to be known as the "Alexander Wilbourne Weddell Prize," to be awarded annually to the student submitting the best essay upon the general subject of the promotion of peace among the nations of the world.....		21,419.00 I
<b>TOTAL—PRIZES—EXHIBIT A .....</b>		<b>50.00 P</b>

ATHLETICS

*Pauro, Richard E., Fund*

Created by the late Richard E. Pauro of Washington, D. C., by devise to The George Washington University, "for the use and benefit of Athletics of the University either by using the principal for the purchase of a Campus or the building and equipping of a Gymnasium, or investing the principal and devoting the income therefrom in promoting the Athletic Sports of The University, as the trustees and the faculty of The University may deem wisest and best" ..

TOTAL—ATHLETICS—EXHIBIT A.....

RESERVE FOR PROTECTION OF INVESTMENTS  
*Reserve for Protection of Consolidated Endowment and Executory Funds Investments*

Created from profits arising from the sale of investments, and by setting aside annually a portion of the income of Consolidated Endowment and Executory Funds assets. (Refer to Schedules 25—Page 1, and 30—Page 2.) .....

*Reserve for Protection of Scottish Rite Endowment Fund Investments*

Created from profits arising from the sale of Scottish Rite investments, and by setting aside annually a portion of the income of Scottish Rite Endowment Fund assets. (Refer to Schedules 25—Page 1, and 30—Page 2.) .....

TOTAL—RESERVE FOR PROTECTION OF INVESTMENTS—EXHIBIT A.....

206,744.51 P

206,744.51 P

28,115.96 P

18,784.41 P

46,900.37 P

Funds

MISCELLANEOUS

*Administrative Reserve Fund*

Created by order of the President of The University to be drawn upon to meet administrative emergencies. ....

963.18 P

*Art and Archaeology Fund*

Established by the Board of Trustees on May 18 1927, the income to be devoted to the "Support of the School of Classical Studies at Athens as long as the Board desires to contribute to this cause" .....

1,000.00 I

*District of Columbia D.A.R. Fund*

Contributions by chapters in the District of Columbia, the income to be loaned to children of members. (Refer to D. C.-D.A.R. Loan Fund, Schedule 22) .....

4,126.27 I

*Graduate Endowment Fund*

Created by the Class of 1926 to provide endowment to be used for the acquisition of sites, erection of buildings and maintenance and purchase of equipment. Fund under control of Board of Administrators. Only the income may be used until Fund reaches \$50,000 when both principal and income over \$50,000 may be used

8,350.17 I

*Plumbing and Heating Institute Fund*

Created by persons interested in the plumbing and heating trade to establish an Institute to afford a course of lectures in plumbing and heating..

310.71 P

*Wilmer Worth Fund*

Bequest of the late Wilmer Worth to be used as directed by the Board of Trustees .....

8,420.24 P

13,476.44 I

9,694.13 P

TOTAL—MISCELLANEOUS—EXHIBIT A .....

SCHEDULE 23—PAGE 6



# PRINCIPAL OF PLANT FUNDS UNINVESTED IN PLANT

August 31 1938

## RENEWALS AND REPLACEMENTS

### *Duplicating Bureau Depreciation Fund*

Created from cash receipts of the Duplicating Bureau to replace worn-out equipment .....

2,170.57

TOTAL—RENEWALS AND REPLACEMENTS—EXHIBIT A.....

2,170.57

## RETIREMENT OF INDEBTEDNESS

*Reserve for Reduction of the Liability of Current and Plant Funds to Endowment Funds Principal* .....

16,082.31

TOTAL—RETIREMENT OF INDEBTEDNESS—EXHIBIT A.....

16,082.31

## PLANT ADDITIONS—(Continued)

### *George Washington Memorial Fund*

To erect an auditorium.....

193,506.50

(62)

### *Strong Hall of Government Fund*

Gift to The University by Hattie M. Strong to erect the Hall of Government (Original gift \$231,095.26) .....

64,595.26

# PLANT ADDITIONS

## *Class of 1929 Women's Unit No. 3 Fund*

Gifts from the women members of the Class of 1929 to be used in aid of the building of Unit No. 3.....

307.34

## *Engineering Club Room Fund*

Created to equip and maintain a club room for the use of students in the Engineering Department.....

281.51

## *General Building Fund*

An open subscription fund to be continued and increased indefinitely. Principal and income to be used for the purchase of sites, buildings, equipment, to remodel, rebuild and pay off obligations. Authorized by the Trustees of the University May 31 1916.....

216.78

(63)

## *Student Union Furnishings Fund*

Created by various contributions during the second semester of the 1930-31 year to furnish and equip a Student Union Building .....

1,433.67

## *Unit No. 3 Fund*

Gifts from various persons to aid in the financing of the third unit of the building program

Columbian Women Fund 13417.67

Charles H. Tompkins Fund .....

1,391.78

General Alumni Association Fund.....

682.40

15,491.85

TOTAL—PLANT ADDITIONS—EXHIBIT A..... 275,832.91•

• Of which may be used both Principal and Income.

# CHANGES IN PRINCIPAL OF LOAN, ENDOWMENT AND PLANT FUNDS

For the Year Ended August 31 1938

<i>Funds</i>	<i>Balance September 1 1937</i>	<i>Add Increases</i>	<i>Explanation</i>	<i>Less Decreases</i>	<i>Balance August 31 1938</i>
LOAN FUNDS (Schedule 22)					
Student Loan Fund.....	7,052.42	17,523.18 L	Repayments of Loans.		
			Loans made.....	17,103.56 L	7,472.04 P
D. of C.-D. A. R. Loan Fund.....	358.50	295.00 L	Repayments of Loans.		
		132.04 I	Loans made.....	200.00 L	
		2.00 I	Income.		
			Interest earned.		587.54 P
ENDOWMENT FUNDS (Schedule 23)					
Unrestricted					
Campaign 1923-24 .....	186,706.88	7.50 G 35.62 I 113.35 B			186,714.38 I
Trustees .....	1,000.00		Income 1932-37 previously transferred to Current Funds Unrestricted.		1,148.97 I
Schools—Medical					
Borden, William Cline.....	2,000.00	230.39 I			2,230.39 I
Professorships					
Depew, Chauncey M., Course in Public Speaking.....	150,000.00	4,820.82 I			
Hospital			Loss on sale of Invest- ments.....	2,119.89 N	152,700.93 I
Kimmel, Annie.....	3,028.45	41.72 I			3,070.17 P
Kuhlbank, Freda.....	788.50	10.86 I			799.36 I
Rurt, Dr. Thomas L.....		5,000.00 G			5,000.00 P
Scholarships					
Carr, Emma K.....	56,844.25		Remainderman Interest (See Footnote).....	8,000.00 R	48,844.25 I





## CHANGES IN PRINCIPAL OF LOAN, ENDOWMENT AND PLANT FUNDS

<i>Funds</i>	<i>Balance September 1 1937</i>	<i>Add Increases</i>	<i>Explanation</i>	<i>Less Decreases</i>	<i>Balance August 31 1938</i>
<b>PLANT FUNDS (Schedule 24)</b>					
Renewals and Replacements					
Duplicating Bureau Depreciation	2,077.77	22.70 I 500.00 C	Cash from Duplicating Bu- reau (See Schedule 15).		
Retirement of Indebtedness			Purchase of Equipment.	429.90 D	2,170.57 P
Reserve for Reduction of the Liability of Current and Plant Funds to Endowment Funds					
Principal	15,863.71	218.60 I			16,082.31 P
Plant Additions					
Class of 1929 Women's Unit No. 3	303.16	4.18 I			307.34 P
Engineering Club Room	227.71	3.80 I 50.00 G			281.51 P
General Building	206.44	2.84 I			216.78 P
George Washington Memorial...	8.77	7.50 G			193,506.50 P
Strong, Hattie M., Dormitory..	2,896.72	193,497.73 G 285.37 R	Refund of Architect's Fees. To reimburse Current Funds Unrestricted for additions to Strong Hall 1936-37		
Strong Hall of Government.....		251,095.26 G	Land	3,182.09 B	
Strong Furnishings .....	4,000.00		Building	41,500.00 B	
			Equipment	140,194.94 D	
			To reimburse Current Funds Unrestricted for additions to Strong Hall Equipment 1936-37	4,805.06 D	64,595.26 P
Unit No. 3 .....	15,281.28	210.57 I		4,000.00 B	15,491.85 P
	824,062.30	492,090.84			
				339,378.25	976,774.89

Of which may be used:

Only the Income..... I  
Principal and Income..... P

FOOTNOTE

FOOTNOTE

It has been the policy of The University to add any Remainderman Interest, at an appraised amount, to the Principal of a Fund at the time the Fund was recorded. Under the new policy adopted during the year ended August 31 1938, Remainderman Interest will be carried as Not Appraised and added, when, as and if received, to the Principal of a Fund. To conform to the new policy, the Remainderman Interests previously added to the Principal of Funds (Carr \$8,000 and Pairo \$28,000) are hereby withdrawn therefrom.



INVESTMENTS OF ENDOWMENT FUNDS  
THE INVESTMENT AND CUSTODY FOR WHICH  
THE UNIVERSITY IS RESPONSIBLE

August 31 1938

CARR, EMMA K., SCHOLARSHIP FUND

Book Value (Schedule 29)		Investments	
CASH	1,766.75		
BONDS			
2,000	Atchison Topeka and Santa Fe Railway Company General Mortgage 100-Year Gold 4% 1995	1,970.00	
2,000	Bell Telephone Company of Canada First Mortgage Gold Series A 5% 1955	2,094.00	
7,100	Federal Land Bank Consolidated Federal Farm Loan 4% 1946	7,070.00	
1,000	Pennsylvania Railroad Company Consolidated Mortgage Gold 4½% 1960	1,047.70	
2,000	Southern Pacific Railroad Company First Refunding Mortgage Gold 4% 1955	1,750.00	
	United States of America Treasury Bonds		
1,600	3½% 1944-46	1,600.00	
3,100	3½% 1940-43	3,125.00	
700	3½% 1943-47	706.00	
8,600	4½% 1947-52	9,478.00	
		28,840.70	
Par Value			
2,000	Atchison Topeka and Santa Fe Railway Company		
	General Mortgage 100-Year Gold		
2,000	Bell Telephone Company of Canada		
	First Mortgage Gold Series A		
7,100	Federal Land Bank		
	Consolidated Federal Farm Loan		
1,000	Pennsylvania Railroad Company		
	Consolidated Mortgage Gold		
2,000	Southern Pacific Railroad Company		
	First Refunding Mortgage Gold		
	United States of America		
	Treasury Bonds		
1,600	3½% 1944-46		
3,100	3½% 1940-43		
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2,000	Atchison Topeka and Santa Fe Railway Corporation		
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2,000	Southern Pacific Railroad Company		
	First Refunding Mortgage Gold		
	United States of America		
	Treasury Bonds		
1,600	3½% 1944-46		
3,100	3½% 1940-43		
700	3½% 1943-47		
8,600	4½% 1947-52		
Book Value			
2,000	Atchison Topeka and Santa Fe Railway Corporation		
	General Mortgage 100-Year Gold		
2,000	Bell Telephone Company of Delaware		
	First Mortgage Gold Series A		
7,100	Federal Land Bank		
	Consolidated Federal Farm Loan		
1,000	Pennsylvania Railroad Company		
	Consolidated Mortgage Gold		
2,000	Southern Pacific Railroad Company		
	First Refunding Mortgage Gold		
	United States of America		
	Treasury Bonds		
1,600	3½% 1944-46		
3,100	3½% 1940-43		
700	3½% 1943-47		
8,600	4½% 1947-52		
Book Value			
2,000	Atchison Topeka and Santa Fe Railway Corporation		
	General Mortgage 100-Year Gold		
2,000	Bell Telephone Company of Delaware		
	First Mortgage Gold Series A		
7,100	Federal Land Bank		
	Consolidated Federal Farm Loan		
1,000	Pennsylvania Railroad Company		
	Consolidated Mortgage Gold		
2,000	Southern Pacific Railroad Company		
	First Refunding Mortgage Gold		
	United States of America		
	Treasury Bonds		
1,600	3½% 1944-46		
3,100	3½% 1940-43		
700	3½% 1943-47		

## REMAINDERMAN INTEREST

**As residuary legatee of the late Emma K. Carr** as created by article five (5) of her last will and testament The University is to receive \$8,000 subject to economic factors governing the gift at that time.

TOTAL—CARR, EMMA K., SCHOLARSHIP FUND.

48,844.25

## DEPEW, CHAUNCEY M., COURSE IN PUBLIC SPEAKING FUND

CASH .....		15,371.30	
<b>Par Value</b>	<b>BONDS</b>		
3,000 Atchison Topeka and Santa Fe Rail- way Company Convertible Gold 4% 1955.....		3,204.00	
New York Central and Hudson River Railroad Company Thirty Year Gold Debenture 4% 1942 .....		17,605.00	
Refunding and Improvement Gold A 4½% 2013 .....		24,750.00	
United States of America Treasury Bonds 2⅞% 1955-60		3,057.00	
25,000 West Shore Railroad Company Guar- anteed First Mortgage 4% 2361		21,781.25	
		<hr/>	
		70,397.25	
		<hr/>	
	<b>STOCKS—PREFERRED</b>		
50 Atchison Topeka and Santa Fe Rail- way Company 5% Non Cumulative.....	Shares	50	5,037.50
Cleveland and Pittsburgh Railroad Company 7% Guaranteed.....		100	8,500.00
Detroit Hillsdale and Southwestern Railroad Company.....		163	10,432.00
Gold and Stock Telegraph Company		100	11,700.00
New York Lackawanna and Western Railway Company.....		100	9,800.00
			<hr/>
			45,469.50
			<hr/>
	<b>STOCKS—COMMON</b>		
Commonwealth Edison Company....	400		11,050.00
Continental Can Company.....	31		2,375.38
R. J. Reynolds Tobacco Company B	100		5,112.50
Southern Pacific Company.....	50		1,525.00
Standard Oil Company of California	35		1,400.00
			<hr/>
			21,462.88
			<hr/>
TOTAL—DEFEW, CHAUNCEY M., COURSE IN PUBLIC SPEAKING FUND.....			152,700.93

INVESTMENTS OF ENDOWMENT FUNDS  
THE INVESTMENT AND CUSTODY FOR WHICH  
THE UNIVERSITY IS RESPONSIBLE

August 31 1938

CONSOLIDATED ENDOWMENT FUNDS

CASH	Investments		Book Value (Schedule 29)	Shares	Investments		Book Value (Schedule 29)
	Bonds				Stocks—Common		
5,000	Canadian Pacific Railway Company			53	American Telephone and Telegraph Company		8,361.08
	Collateral Trust Gold Bonds 5% 1954		5,000.00	27	Capital Transit Company		2,835.00
2,000	Central Pacific Railway Company			100	Chicago, Rock Island and Pacific Railway Company		8,094.72
	Through Short Line First Gold 4% 1954		1,965.25	150	Continental Oil Company of Delaware		6,593.40
25,000	Chicago Burlington and Quincy Railroad			100	General Electric Company		5,405.00
	First and Refunding Mortgage A 5% 1971		28,603.00	200	General Motors Corporation		11,810.25
1,000	City of Minneapolis			100	International Harvester Company		10,725.25
5,000	Cleveland Union Terminal Company		990.30	200	International Nickel Company of Canada, Ltd.		12,035.25
	First Mortgage Sinking Fund Series B 5% 1973		5,246.00	300	Kennecott Copper Corporation		18,227.50
6,000	Grand Trunk Western Railway Company			6	Mergenthaler Linotype Company		588.00
	First Mortgage Gold 4% 1950		5,475.00	39	National City Bank of New York		3,517.04
25,000	Great Northern Railway Company			165	Standard Oil Company of California		7,431.85
	General Mortgage Gold Series D 4½% 1976		25,289.00				95,624.34
12,000	Liggett and Myers Tobacco Company						
	Gold Debentures 5% 1951		13,643.00				
1,000	New York Steam Corporation						
	First Mortgage Gold Series A 6% 1947		1,018.30				
25,000	Pennsylvania Railroad Company						
	General Mortgage Series E 4¼% 1984		27,109.00				

TRUST NOTES	
Armstrong, Frank	
Due November 10 1938. Interest 4½%. Secured by lot 77 square 162. Numbers 36, 44, 48, 52, 70, 71, 73 and 74 of 95	4,000.00
Snow, Chester A.	
Due October 31 1940. Interest 4½%. Secured by lot 77 square 162. Numbers 36, 44, 48, 52, 70, 71, 73 and 74 of 95	8,000.00

TRUST NOTES

Armstrong, Frank	
Due November 10 1938. Interest 5%. Secured by lot 66 square 1868	4,000.00
Snow, Chester A.	
Due October 31 1940. Interest 4 1/2%. Secured by lot 77 square 162 Numbers 36, 44, 48, 52, 70, 71, 73 and 74 of 95	8,000.00



15,000	Pennsylvania Water and Power Company	
	First Refunding Gold Series B 4 1/2% 1968	16,023.70
25,000	Southern California Edison Company First and Refunding Mortgage Series B 3 3/4% 1960	25,683.50
1,000	Union Pacific Railroad Company First Mortgage Railroad and Land Grant Gold 4% 1947	922.50
86,000	United States of America Treasury Bonds 3 1/4% 1943-45	87,150.00
3,000	Washington Gas Light Company General Mortgage Gold Coupon 5% 1960	3,068.00
1,000	West Shore Railroad Company Guaranteed First Mortgage Gold 4% 2361	838.75
		<u>248,025.30</u>

#### MISCELLANEOUS

Washington Loan and Trust Co.  
Certificate of Deposit 1 1/2% 1938.

#### Shares

10	Atchafson, Topeka and Santa Fe Railway Company	950.00
40	Chicago, Rock Island and Pacific Railway Company	4,000.00
2	Potomac Electric Power Company	214.25
6	Timken Detroit Axle Company	570.00
		<u>5,734.25</u>

TOTAL—CONSOLIDATED ENDOWMENT FUNDS

George Washington University, The  
Due on or before December 1  
1920. Interest in \$350,000 note,  
payable to the Washington Loan  
and Trust Company, secured by  
deed of trust, executed by The  
University to the National Savings  
and Trust Company, Trustee, De-  
cember 1 1910 on Land and  
Buildings known as The George  
Washington University School of  
Medicine and Hospital 1335-1339  
and 1341 H St. NW. Without  
interest

323,430.23

335,430.23

#### REAL ESTATE

Interest of 5/22 in lots 4, 22, 23  
and 53 square 199, formerly the  
Charles H. Butler Notes. Notes in  
default; property managed by the  
Washington Loan and Trust Com-  
pany. Part of a total loan of  
\$110,000

25,000.00

#### Congressional Endowment

Lot 818	Square 13	3,813.50
" 12	" 13	3,715.00
" 13	" 13	3,270.00
" 9	" 16	2,594.20
" 5	" 87	8,532.00
		<u>21,924.70</u>
		<u>46,924.70</u>

742,886.70

SCHEDULE 26—PAGE 2

INVESTMENTS OF ENDOWMENT FUNDS  
THE INVESTMENT AND CUSTODY FOR WHICH  
THE UNIVERSITY IS RESPONSIBLE

August 31 1938

CONSOLIDATED EXECUTORY FUNDS

		<u>Assets</u>	<u>Book Value</u> <u>(Schedule 29)</u>
CASH.....		.....	119,166.19
STUDENT LOAN RECEIVABLE.....		.....	86.00
			(72)
<i>Par Value</i>	Bonds		
12,000	Commonwealth of Australia External Loan 5% 1957.....	.....	11,775.00
10,000	Fruit Growers Express Company Equipment Trust Series H 4¼% 1943.....	.....	9,325.00
30,000	United States of America Treasury Bonds 1¾% 1939.....	.....	30,117.04
3,000	¾% 1943-45.....	.....	3,040.00
			54,257.04
TOTAL—CONSOLIDATED EXECUTORY FUNDS.....		.....	173,509.23*

\* See next page (4) for Allocation of Equities in Consolidated Executory Assets.

# ALLOCATION OF EQUITIES IN CONSOLIDATED EXECUTORY FUNDS

<i>Funds</i>		<i>Cash</i>	<i>Bonds</i>	<i>Loan Receivable</i>	<i>Total</i>
Loan .....					
Endowment (To Schedule 29) .....		8,129.27	.....	86.00	8,215.27
Plant .....		43,471.95	21,242.72	.....	64,714.67
		67,564.97	33,014.32	.....	100,579.29
		<u>119,166.19</u>	<u>54,257.04</u>	<u>86.00</u>	<u>173,509.23</u>
<b>Loan Funds (Schedule 22)</b>					
D. of C. D.A.R. Loan Fund.....			<i>Value</i>		
Pharmacy Loan Fund.....			587.54		
Student Loan Fund.....			155.69		
			7,472.04	8,215.27	
<b>Endowment Funds (Schedule 23)</b>					
Administrative Reserve.....					
History Club.....			963.18		
Kimmel, Annie, Hospital.....			50.00		
Plumbing and Heating Institute.....			3,070.17		
Rust, Thomas L., Hospital.....			310.71		
Reserve for Protection of Investments.....			5,000.00		
Worth, Wilma.....			46,900.37		
			8,420.24	64,714.67	
<b>Plant Funds (Schedule 24)</b>					
Class of 1929.....					
Duplicating Bureau.....			307.34		
Engineering Club Room.....			2,170.57		
General Building Fund.....			281.51		
Reserve for Reduction of Liability to Endowment Funds Principal .....			216.78		
Strong Hall of Government.....			16,082.31		
Student Union.....			64,595.26		
Unit No. 3.....			1,433.67		
			<u>15,491.85</u>	<u>100,579.29</u>	<u>173,509.23</u>

It is considered that the Loan Funds are represented by cash and that the Endowment and Plant Funds are represented by a proportionate interest in the remaining cash and all bonds.



INVESTMENTS OF ENDOWMENT FUNDS  
THE INVESTMENT AND CUSTODY FOR WHICH  
THE UNIVERSITY IS RESPONSIBLE

August 31 1938

<i>Fund and Investments</i>		<i>Book Value (Schedule 29)</i>
<b>EVANS, JOSHUA 3rd, MEMORIAL AWARD FUND</b>		
<i>Par Value</i>	<i>Bonds</i>	
1,000	Home Owners Loan Corporation 3% 1944-52 .....	1,000.00
100	United States of America Treasury 2½% 1949-53.....	100.00
<b>TOTAL—EVANS, JOSHUA 3rd, MEMORIAL AWARD FUND.....</b>		<b>1,100.00</b>
<b>LEWIS MEDICAL SCHOOL FUND</b>		
<i>Par Value</i>	<i>CASH</i> .....	10.64
1,000	<i>Bonds</i> Chesapeake and Potomac Telephone Company of Virginia First Mortgage 30 Year Sinking Fund Gold Series A 5% 1943..... Federal Land Bank Consolidated Federal Farm Loan 3% 1945-55..... 4% 1946..... United States of America Treasury 2½% 1949-53.....	1,007.00 985.00 1,004.70 296.81 3,293.51
<i>REAL ESTATE</i> Lewis Properties 1406-8-10 P Street and 1416-18 and 1502 14th Street NW. Subject to Trust Note Payable of \$45,000 Due October 30 1939. Interest 5%		145,000.00
<b>TOTAL—LEWIS MEDICAL SCHOOL FUND.....</b>		<b>148,304.15</b>

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INVESTMENTS OF ENDOWMENT FUNDS  
THE INVESTMENT AND CUSTODY FOR WHICH  
THE UNIVERSITY IS RESPONSIBLE

August 31 1938

PAIRO, RICHARD E., FUND

		<i>Investments</i>		<i>Investments</i>		<i>Book Value</i> (Schedule 29)
		<i>Investments</i>		<i>Shares</i>	<i>Stocks—PREFERRED</i>	<i>Book Value</i> (Schedule 29)
<i>Cash</i> .....						
						287.26
<i>Par Value</i>						
		<i>Bonds</i>				
2,500	Chicago, Milwaukee, St. Paul and Pacific Railroad Company 50 Year Mortgage Gold Series A 5% 1975 .....			60	Columbia Gas and Electric Corpor- ation Cumulative A .....	6,592.50
5,000	Houston Independent School District Serial Gold 5% 1952 .....			56	E. I. du Pont de Nemours and Com- pany Non-voting Debenture...	7,252.00
5,000	Texas Power and Light Company First and Refunding Gold 5% 1956 .....			50	Kansas City Power and Light Com- pany B .....	3,120.00
				100	Merchants Transfer and Storage Company A .....	10,000.00
						26,964.50
					<i>Stocks—COMMON</i>	
				20	American Security and Trust Com- pany .....	8,220.00
				200	Capital Transit Company .....	14,400.00
				100	Chicago, Milwaukee, St. Paul and Pacific Railroad Company .....	2,100.00
				150	Mergenthaler Linotype Company .....	15,806.25
				100	National Bank of Washington .....	25,500.00
				61	National City Bank of New York .....	2,928.00
				100	Pennroad Corporation .....	1,300.00
				114	Riggs National Bank .....	60,420.00
				100	Texas Gulf Sulphur Company .....	5,912.50
				100	Union Trust Company of D. C. ....	31,100.00
						167,686.75
					<i>Bonds—NOT APPRAISED</i>	
600	Batopilas Mining Company Certificate of Deposit 6% .....					

## August 31 1938

PAIRO, RICHARD E., FUND—(Continued)

(76)



124.71 Holmea, Ida  
Due \$10 monthly beginning  
July 5 1935, on interest and  
principal. Interest 6%.

1,200.00 Schnitman, Seth A.  
Due December 18 1938. Inter-  
est 6%. Secured by Lot 157  
square 1026.

4,500.00 Sparrow, Arthur  
Due October 16 1937. Inter-  
est 6½%. Secured by Lot 37  
square 511.

302.23 Sparrow, Arthur  
Due \$25 monthly beginning  
April 16 1931 on interest and  
principal. Secured by Lot 37  
square 511. Interest 6½%.

702 Irving Street NW.  
Secured by Lot 95 square 2890.  
Formerly the Rev. William Har-  
ris Notes.

1512 P Street NW.  
Secured by Lot 99 square 195.

Tract in Germantown, Mont-  
gomery County, Maryland. For-  
merly the Turner C. Thomp-  
son Notes.

REMAINDERMAN INTEREST

As residuary legatee of the late  
Richard E. Pairo as created by  
article eleven (11) of his last  
will and testament The Univer-  
sity will receive \$28,000 subject  
to economic factors governing  
the gift at that time.

TOTAL—PAIRO, RICHARD E., FUND	206,744.51
POWELL SCHOLARSHIP FUND	
REAL ESTATE	
Powell House 1707 I St. NW	30,000.00
TOTAL—POWELL SCHOLARSHIP FUND	30,000.00

INVESTMENTS OF ENDOWMENT FUNDS  
THE INVESTMENT AND CUSTODY FOR WHICH  
THE UNIVERSITY IS RESPONSIBLE

August 31 1938

SCOTTISH RITE ENDOWMENT FUND

<i>Cash</i> .....		<i>Investments</i>		<i>Book Value</i> (Schedule 29)
				2,178.95
<i>Par Value</i>		<i>Bonds</i>		
1,000	American Telephone and Telegraph Company			
	Sinking Fund Gold Debenture 5½% 1943 .....			
9,000	Anaconda Copper Mining Company 15-Year Sinking Fund Debentures 4½% 1950 .....			1,020.80
10,000	Bangor and Aroostook Railroad Company			
	First Mortgage Gold 5% 1943 .....			10,288.00
15,000	Buffalo Creek Railroad Company			
10,000	First Mortgage 5% 1941 .....			15,112.00
	Buffalo General Electric Company			
	General and Refunding Gold Series B 4½% 1981 .....			10,513.60
15,000	Canadian Pacific Railway Company			
15,000	Collateral Trust Gold 5% 1954 .....			15,000.00
	Central Hudson Gas and Electric Company			
	First and Refunding Mortgage 3½% 1965 .....			15,618.00
25,000	Central Illinois Light Company			
	First and Consolidated Mortgage 3½% 1966 .....			26,322.00
13,000	Central Pacific Railway Company			
	Through Short Line First Gold 4% 1954 .....			12,457.50
		<i>Bonds—(Continued)</i>		
	Nebraska Power Company			
	First Mortgage Gold 4½% 1981 .....			13,165.00
	New England Telephone and Telegraph Company			
	First Mortgage Gold Series A 5% 1952 .....			16,309.00
	Northern Pacific Railway Company			
	Prior Lien Railway and Land Grant 4% 1997 .....			27,347.50
	Oregon Washington Railroad and Navigation Company			
	First and Refunding Gold 4% 1961 .....			7,944.40
20,000	Pennsylvania Railroad Company			
	15-Year Convertible Debentures 3¼% 1952 .....			21,451.60
14,000	Port of New York Authority			
	Gold 4¼% 1938 .....			14,058.00
10,000	Portland General Electric Company			
	First and Refunding Mortgage Gold 4½% 1960 .....			9,050.00
15,000	Railway Express Agency Incorporated			
	Gold Series A 5% 1947-48 .....			14,965.50
15,000	San Diego Consolidated Gas and Electric Company			
	First Mortgage 4% 1965 .....			15,909.00

15,000	Cleveland Electric Illuminating Company			
25,000	First Mortgage 3¾% 1965.....	15,993.00		
	Cleveland Union Terminal Company			
	First Mortgage Sinking Fund Gold 4½% 1977.....	24,437.50		3,562.50
10,000	Columbia Gas and Electric Corporation			12,982.25
	Gold Debentures 5% 1961.....	10,126.00		3,562.50
20,000	Consumers Power Company			
	First Lien and Unifying 3½% 1965.....	19,978.10		8,108.40
19,000	Edison Electric Illuminating Company of Boston			
	First Mortgage Sinking Fund Series A 3½% 1965.....	19,555.40		1,047.00
18,000	Firestone Tire and Rubber Company of California			
	15-Year Sinking Fund Gold 5% 1942.....	18,578.00		10,305.00
10,000	Houston Lighting and Power Company			
	First Mortgage 3½% 1966.....	10,537.00		5,113.00
12,000	Kansas Gas and Electric Company	12,468.50		13,214.00
12,000	First Mortgage Gold 4½% 1980 Lexington and Eastern Railway Company			
3,000	First Mortgage Gold 5% 1965... Liggett and Myers Tobacco Company	13,564.40		
15,000	Gold Debentures 5% 1951..... Metropolitan Edison Company	3,410.60		51,434.00
	First Mortgage Gold Series E 4% 1971.....	11,712.50		286,780.00
11,000	Mississippi River Power Company			
	First Mortgage Sinking Fund Gold 5% 1951.....	11,598.00		25,759.00

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Shawinigan Water and Power Company				
	First Mortgage and Collateral Trust Sinking Fund Gold			
	Series A 4½% 1967.....	5,000		3,562.50
	Series B 4½% 1968.....	15,000		12,982.25
	Series D 4½% 1970.....	5,000		3,562.50
	Southern California Gas Company	8,000		
	First Mortgage and Refunding 4% 1965.....	1,000		8,108.40
	State of New York			
	Loan for Highway Improvement 5% 1942.....	10,000		1,047.00
	Swift and Company			
	First Mortgage Sinking Fund 3¾% 1950.....	10,000		10,305.00
	Union Pacific Railroad Company	5,000		
	First Mortgage Railroad and Land Grant Gold 4% 1947.....	13,000		5,113.00
	Union Pacific Railroad Company			
	First Lien and Refunding Gold 4% 2008.....			13,214.00
	United States of America			
	Treasury Bonds	50,000		51,434.00
	2¾% 1956-59.....	283,000		286,780.00
	3¼% 1943-45.....	25,000		
	Virginian Railway Company			
	First and Refunding Series A 3¾% 1966.....	14,000		25,759.00
	West Shore Railroad Company			
	Guaranteed First Mortgage Gold 4% 2361.....			12,355.00
				<u>862,125.55</u>



INVESTMENTS OF ENDOWMENT FUNDS  
THE INVESTMENT AND CUSTODY FOR WHICH  
THE UNIVERSITY IS RESPONSIBLE

August 31 1938

SCOTTISH RITE ENDOWMENT FUND—(Continued)

<i>Investments</i>		<i>Book Value</i> (Schedule 29)
<i>Shares</i>	<i>Stocks—Preferred</i>	
100	Federated Department Stores Incorporated Convertible.....	9,895.00
100	Ohio Oil Company 6% Cumulative.....	10,775.00
200	Tide Water Associated Oil Company Cumulative Convertible.....	19,450.00
100	United Gas Corporation 7% Cumulative First.....	11,200.00
		<hr/> 51,320.00
<i>Investments</i>		<i>Book Value</i> (Schedule 29)
<i>Shares</i>	<i>Stocks—Common</i>	
500	Continental Oil Company of Delaware.....	15,725.25
400	General Electric Company.....	17,210.00
300	International Nickel Company of Canada Ltd.....	13,032.50
200	Owens Illinois Glass Company.....	13,285.25
300	Union Carbide and Carbon Corporation .....	25,122.50
		<hr/> 84,375.50

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TOTAL—SCOTTISH RITE ENDOWMENT FUND..... 1,000,000.00

GRAND TOTAL OF INVESTMENTS OF ENDOWMENT FUNDS, THE INVESTMENT AND CUSTODY FOR WHICH THE UNIVERSITY IS RESPONSIBLE (SCHEDULE 29)..... 2,395,295.21

INVESTMENTS OF ENDOWMENT FUNDS  
THE INVESTMENT AND CUSTODY FOR WHICH  
THE UNIVERSITY IS NOT RESPONSIBLE

August 31 1938

<i>Fund Investments and Trustee</i> (Schedule 29)		<i>Book Value</i> (Schedule 29)
<b>ANDREWS, BYRON, MEMORIAL SCHOLARSHIP FUND</b> (American Security and Trust Company, Trustee)		
CASH .....		15.00
<i>Par Value</i>		
2,000 New York Edison Company		
First and Refunding Mortgage		
3 1/4% 1966.....		1,985.00
BONDS		
Trust Notes		
Brandes, Elmer W.		
Due July 16 1941. Interest 5%.		
Secured by lot 25 square 1938.		
Number 3 of 3.....		
		3,000.00
<b>TOTAL—ANDREWS, BYRON, MEMORIAL SCHOLARSHIP FUND .....</b>		<b>5,000.00</b>
<b>HARVEY, ELMA LEWIS SCHOLARSHIP FUND</b> (Washington Loan and Trust Company, Trustee)		
CASH .....		60.25
<i>Par Value</i>		
2,400 Federal Farm Mortgage Corpora-		
tion 3% 1944-49.....		2,421.00
2,500 Home Owners Loan Corporation 3%		
1944-52 .....		2,518.75
		4,939.75
<b>TOTAL—HARVEY, ELMA LEWIS, SCHOLARSHIP FUND .....</b>		<b>5,000.00</b>

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## August 31 1938

SANDERS. THOMAS BRADFORD, FELLOWSHIP FUND

Par Value	Investments and Trusts (National Savings and Trust Company, Trustee)	Book Value (Schedule 29)
	Cash (Deficit).....	(172.99)
	BONDS	
10,000	Baltimore and Ohio Railroad Company	
	First Mortgage Fifty-Year Gold 4% 1948.....	9,587.50
5,000	Capital Traction Company	
	First Mortgage Gold 5% 1947... Federal Land Bank	5,187.50
4,000	Consolidated Federal Farm Loan:	
2,000	3% 1946-56.....	4,000.00
2,500	3 1/4% 1945-55.....	2,042.50
3,000	3 1/4% 1955.....	2,556.25
	Potomac Electric Power Company	
	First Mortgage 3 1/4% 1966.....	3,112.50
	United States of America	
	Treasury Bonds:	
4,000	1 1/4% 1941 (Notes).....	4,014.55
1,000	3 1/4% 1945-47.....	1,033.40
2,100	3% 1946-48.....	2,120.79
50	3% 1951-55.....	53.64
500	3 1/4% 1946-49.....	486.00
3,100	3 1/4% 1943-45.....	3,203.54
1,000	3 1/4% 1944-46.....	1,033.40
		38,431.57



STOCKS—PREFERRED	
100 United States Steel Corporation.....	14,537.50
100 Washington Railway and Electric Company .....	10,212.50
	<hr/> 24,750.00
STOCKS—COMMON	
280 United States Steel Corporation....	42,595.00
	<hr/>
TRUST NOTES	
Allensworth, Robb F. Due on or before November 22 1943, Interest 6%, Secured by Lot 168 square 628, premises 2-10 F St. NW. 9,500 partici- pation in a total loan of \$323,602.50 .....	9,500.00
Houghton, Woodson P. Due March 26 1939, Interest 6%, Secured by Lots 3 169 800 801 and 802 square 70, premises 2101-17 M St. NW. \$10,000 participation in loan of \$40,000 .....	10,000.00

SCHEDULE 27--PAGE 2

## August 31 1938

## SANDERS, THOMAS BRADFORD, FELLOWSHIP FUND--(Continued)

<i>Face Value</i>	<i>TRUST NOTES—(Continued)</i>	<i>Book Value (Schedule 29)</i>
9,300	Payne, Bryce G. Due June 30 1930. Interest 6½%. Parts of lots 14 and 15 square 2528	1.00
6,650	Peters, Alton W. Due August 4 1930. Interest 6%. Lots S T U V and W square 755	1.00
2,850	Schladt, Howard A. Due July 30 1930. Interest 6%. Lot 4 square 2138.....	1.00
8,550	Stern, David L. Due January 30 1931. Interest 6%. Lot 24 square 1972.....	1.00

<i>Face Value</i>	<i>TRUST NOTES—(Continued)</i>	<i>Book Value (Schedule 29)</i>
2,850	Woods, Hugh Due April 25 1930. Interest 6%. Lot 119 square 375.....	1.00
		75,072.72
	REAL ESTATE—NOT APPRAISED	
	Washington, DC: 1731 11th Street NW Lot 808 square 335 2144 P Street NW Lot 813 square 68	
	Maryland: 3 acres of Land on Bennings Road District No. 2	

TOTAL—SANDERS, THOMAS BRADFORD, FELLOWSHIP FUND.....	180,676.30
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INVESTMENTS OF ENDOWMENT FUNDS  
THE INVESTMENT AND CUSTODY FOR WHICH  
THE UNIVERSITY IS NOT RESPONSIBLE

August 31 1938

<i>Fund Investments and Trustee</i> (Schedule 29)		<i>Book Value</i> (Schedule 29)
<b>SHARPE MEDICAL SCHOOL FUND</b> (National Savings and Trust Company, Trustee)		
CASH .....		89.90
<i>Par Value</i> 3,000 Twelve Federal Land Bonds 3½% 1955 .....		3,060.00
4,800 United States of America 2½% 1955-60 .....		4,850.10
		7,910.10
<b>TOTAL—SHARPE MEDICAL SCHOOL FUND.....</b>		<b>8,000.00</b>
<b>GRAND TOTAL OF INVESTMENTS OF ENDOWMENT FUNDS, THE INVESTMENT AND CUSTODY FOR WHICH THE UNIVERSITY IS NOT RESPONSIBLE (SCHEDULE 29).....</b>		
		216,811.30
		<u>216,811.30</u>
<i>Fund Investment and Trustee</i> (Schedule 29)		<i>Book Value</i> (Schedule 29)
<b>SPENCER, DAVID, SCHOLARSHIP FUND</b> (The Northern Trust Company, Chicago, Trustee)		
	REAL ESTATE	
	Spencer Farm, Knox County, Illinois	18,135.00
		<u>18,135.00</u>
<b>TOTAL—SPENCER, DAVID, SCHOLARSHIP FUND..</b>		<b>18,135.00</b>



INVESTMENTS OF PLANT FUNDS  
UNINVESTED IN PLANT

August 31 1938

(86)

<i>Funds and Investments</i>		<i>Book Value</i>	<i>Funds and Investments</i>		<i>Book Value</i>
<b>CONSOLIDATED PLANT FUNDS</b>					
Equity in Consolidated Executory Funds (Schedule 26 Page 4)			<b>Bonds—(Continued)</b>		
Total (Exhibit A, Page 2).....		100,579.29	20,000	Northern Pacific Railway Company Prior Lien Railway and Land Grant Gold 4% 1997.....	15,225.00
<b>GEORGE WASHINGTON MEMORIAL FUND</b>			1,000	Pacific Light and Power Company First Mortgage 5% 1942.....	1,150.00
CASH (Exhibit A, Page 2).....		46,921.22	10,000	Southern Pacific Railroad Company First and Refunding 4% 1955...	6,250.00
			25,000	Twelve Federal Land Banks Consolidated 3% 1945-55.....	25,906.25
				United States of America Treasury Bonds	
<i>Par Value</i>			12,000	2¾% 1945-47.....	12,772.50
10,000	Atchison, Topeka and Santa Fe Railway Company General Mortgage 100-Year Gold Coupon 4% 1995.....	10,100.00	21,600	278% 1955-60.....	22,464.00
10,000	Baltimore and Ohio Railroad Company		5,300	3¼% 1943-45.....	5,834.97
	First Mortgage 4% 1948.....	3,875.00	100	3¼% 1944-46.....	110.06
5,000	Capital Traction Company First Mortgage Gold Coupon 5% 1947.....	3,100.00	7,000	Washington Gas Light Company General Mortgage 50-Year Gold 5% 1960.....	8,207.50
5,000	City and Suburban Railway Company of Washington First Mortgage Gold 5% 1948...	2,900.00	10,000	Washington Railway and Electric Company Consolidated Mortgage 50-Year Gold 4% 1951.....	10,712.50
12,000	Home Owners Loan Corporation Series B 2¾% 1949.....	12,390.00		TOTAL BONDS (Exhibit A, Page 2).....	146,585.28
10,000	New York Central Railroad Company Consolidated Mortgage Gold 4% 1998.....	5,587.50		TOTAL—GEORGE WASHINGTON MEMORIAL FUND	193,506.50



# SUMMARY OF INVESTMENTS OF ENDOWMENT FUNDS

August 31 1938

THE INVESTMENT AND CUSTODY FOR WHICH THE UNIVERSITY IS RESPONSIBLE (SCHEDULE 26)

Funds	Cash	Bonds	Stocks		Trust Notes	Real Estate and Equities	Total
			Preferred	Common			
Carr, Emma K., Scholarship Fund .....	1,766.75	28,840.70	.....	18,236.80	.....	.....	48,844.25
Consolidated Endowment Funds .....	10,997.88	248,175.30	5,734.25	95,624.34	335,430.23	46,924.70	742,886.70
Consolidated Executory Funds (Equity) Page 73	43,471.95	21,242.72	.....	.....	.....	.....	64,714.67
Depew, Chauncey M., Professorship Fund.....	15,371.30	70,397.25	45,469.50	21,462.88	.....	.....	152,700.93
Evans, Joshua 3rd, Memorial Award Fund.....	.....	1,100.00	.....	.....	.....	.....	1,100.00
Lewis Medical School Fund	10.64	3,293.51	.....	.....	.....	145,000.00	148,304.15
Pairo, Richard E., Fund....	287.26	11,806.00	26,964.50	167,686.75	.....	.....	206,744.51
Powell Scholarship Fund...	.....	.....	.....	.....	.....	30,000.00	30,000.00
Scottish Rite Endowment Fund .....	2,178.95	862,125.55	51,320.00	84,375.50	.....	.....	1,000,000.00
	74,084.73	1,246,981.03	129,488.25	387,386.27	335,430.23	221,924.70	2,395,295.21



THE INVESTMENT AND CUSTODY FOR WHICH THE UNIVERSITY IS NOT RESPONSIBLE (SCHEDULE 27)

(89)

Andrews, Byron, Memorial Scholarship Fund.....	15.00	1,985.00	.....	.....	3,000.00	.....	5,000.00
Harvey, Elma Lewis, Scholarship Fund.....	60.25	4,999.75	.....	.....	.....	.....	5,000.00
Sanders, Thomas Bradford, Scholarship Fund.....	D (172.99)	38,431.57	24,750.00	42,595.00	75,072.72	.....	180,676.30
Sharpe Medical School Fund .....	89.90	7,910.10	.....	.....	.....	.....	8,000.00
Spencer, David, Scholarship Fund .....	.....	.....	.....	.....	.....	18,135.00	18,135.00
	D (7.84)	53,266.42	24,750.00	42,595.00	78,072.72	18,135.00	216,811.30
TOTAL—EXHIBIT A.....	74,076.89	1,300,247.45	154,238.25	429,981.27	413,502.95	240,059.70	2,612,106.51

SCHEDULE 29

INCOME, DISPOSITION AND BALANCE  
OF ENDOWMENT AND PLANT FUNDS  
For the Year Ended August 31 1938

Funds	Balance September 1 1937	Add Income	Less Income Used		Balance August 31 1938
			Increase (I) or Maintain (M) the Principal	Current Operations	
ENDOWMENT FUNDS—(Schedule 23)					
Unrestricted					
Acker, George N.....		9.60		9.60 U	
Alumni Endowment.....		17.34		17.34 U	
Campaign 1923-24.....		5,984.19		5,984.19 U	
Corcoran .....		995.42		995.42 U	
Trustees .....		35.62	35.62 I		
Schools					
Government					
Scottish Rite Endowment.....	1,521.72	38,080.26	1,941.68 MA	35,000.00 SG	2,660.30 SL
Medical					
Borden, William Cline.....	166.33	64.06			
Cooper .....	2,156.38	320.30	230.39 I		2,476.68 SL
Gardner .....		143.57		143.57 SM	
General .....		9.60		9.60 SM	
Lewis .....		5,697.85	1,709.98 MR	1,737.87 SM	
Sharpe .....		226.06	2,250.00 MI	226.06 SM	
Pharmacy					
Gibbs Pharmacy.....		320.30		320.30 SP	
Professorships					
Alumni .....		26.54		26.54 P	66.83 P
Carroll, Mitchell.....	50.83	16.00			
Congressional .....		2,126.08		2,126.08 P	
Depew, Chauncey M., Course in Public Speaking.	4,017.33	7,022.49	4,820.82 I	6,000.00 P	
Elton .....		140.00	219.00 MA	140.00 P	1,713.98 P
Yulee, Nancy .....	1,553.83	160.15			





## INCOME, DISPOSITION AND BALANCE OF ENDOWMENT AND PLANT FUNDS (Continued)

Funds	Balance September 1 1937	Add Income	Less Income Used		Balance August 31 1938
			Increase (I) or Maintain (M) the Principal	Current Operations	
Prizes—(Continued)					
Ordronaux .....	89.55	137.55	.....	160.00 Z	67.10 Z
Sterrett .....	88.13	9.60	.....	17.00 Z	80.73 Z
Walsh .....	15.42	32.03	.....	.....	47.45 Z
Weddell .....	115.14	160.15	.....	150.00 Z	125.29 Z
Athletics					
Pairo, Richard E.....	3,234.72	10,065.96	2,258.30 MC	6,000.00 A	5,042.38 A
Reserve for Protection of Investments					
Reserve for Protection of:					
Consolidated Endowment and Executory Funds		361.57	361.57 I		
Investments .....	.....	247.06	247.06 I		
Scottish Rite Endowment Fund Investments.....	.....				
Miscellaneous					
Administrative Reserve.....	.....	13.10	13.10 I		
Art and Archaeology.....	140.61	32.03	.....	40.00 SA	132.64 P
D. of C.-D.A.R. Fund.....	.....	134.04	134.04 I		
Graduate Endowment.....	401.50	230.72	10.53 MP	.....	621.69 M
PLANT FUNDS—(Schedule 24)					
Renewals and Replacements					
Duplicating Bureau Depreciation.....	.....	22.70	22.70 I		
Retirement of Indebtedness					
Reserve for Reduction of the Liability of Current		218.60	218.60 I		
and Plant Funds to Endowment Funds Principal	.....				
Plant Additions					
Class of 1929 Womens Unit No. 3.....	.....	4.18	4.18 I		
Engineering Club Room.....	.....	3.80	3.80 I		
General Building.....	.....	2.84	2.84 I		
Unit No. 3.....	.....	210.57	210.57 I		
	47,735.90	88,571.93	16,337.05	69,501.28	50,469.50

(93)

**SCHEDULE 30—PAGE 2**





THE SUMMER SESSIONS  
1938



THE  
GEORGE  
WASHINGTON  
UNIVERSITY  
BULLETIN

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VOL. XXXVII

No. I

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THE SUMMER SESSIONS

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WASHINGTON, D.C.

PUBLISHED IN FEBRUARY

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BY THE UNIVERSITY





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# CALENDAR OF THE SUMMER SESSIONS 1938

Date	Days	Occasion
May 16-24.....	Monday to Tuesday, both dates inclusive	Preregistration period for all courses in the Summer Sessions
June 13.....	Monday.....	Registration day for the first term of the Law School Instruction begins in the first term of the Law School
June 14.....	Tuesday.....	Late-registration fee (\$5) is charged for all registrations in the first term of the Law School
June 20.....	Monday.....	Registration day for the nine weeks' term in all Schools and Divisions except the Law School, 9 a.m. to 8 p.m. Instruction begins in the nine weeks' term Last day on which late registration is permitted for the first term of the Law School
June 21.....	Tuesday.....	Late-registration fee (\$5) is charged for all registrations in the nine weeks' term
June 27.....	Monday.....	Registration day for the six weeks' term in all Schools and Divisions except the Law School, 9 a.m. to 6 p.m. Instruction begins in the six weeks' term Last day on which late registration is permitted for the nine weeks' term
June 28.....	Tuesday.....	Late-registration fee (\$5) is charged for all registrations in the six weeks' term
July 4.....	Monday.....	Holiday
July 5.....	Tuesday.....	Last day on which late registration is permitted for the six weeks' term
July 18-22.....	Monday to Friday, both dates inclusive	Symposium on Government Corpora- tions, Law School
July 20.....	Wednesday.....	Second half of double-semester courses begins
July 25.....	Monday.....	First term of the Law School ends
July 26.....	Tuesday.....	Registration day for the second term of the Law School Instruction begins in the second term of the Law School
July 27.....	Wednesday.....	Late-registration fee (\$5) is charged for all registrations in the second term of the Law School
August 2.....	Tuesday.....	Last day on which late registration is permitted for the second term of the Law School
August 5.....	Friday.....	Six weeks' term ends in all Schools and Divisions except the Law School
August 19.....	Friday.....	Nine weeks' term ends in all Schools and Divisions except the Law School
September 5.....	Monday.....	Holiday
September 8.....	Thursday.....	Second term of the Law School ends



SUMMER STUDY IN WASHINGTON



## SUMMER STUDY IN WASHINGTON

The Summer Sessions offer an opportunity to continue university work during the summer period. The educational value of a term of study in the Capital of the Nation is of great importance. It forms a background for both intelligent and appreciative citizenship. History, political science, economics, literature, and current events are all vivified by a first-hand knowledge of our national institutions and traditions. The schedule of classes will give the student ample time to visit the great libraries and laboratories of the Capital, and to observe the departments and bureaus of the Government in operation. The many educational and scientific organizations with central offices and exhibits situated in Washington are accessible to students whose special interests draw on such resources. Excursions may be arranged to the many places of beauty and historic association in near-by Virginia and Maryland.

The National Capital stands in a region distinguished by the personal activities of George Washington, and in this area our national traditions were first expressed. A short distance down the Potomac River is Mount Vernon, the home of Washington and the place most intimately associated with his career. The nearest town, Alexandria, is extremely rich in its associations with the First President and with early American history. Directly across the Potomac from Washington are the hills of Arlington, which was the residence of General Robert E. Lee when he resigned from the army to assume charge of the Confederate forces at Richmond. Old historic Georgetown, now a part of the District of Columbia, has many memories of General Washington. It was in this village that he met local landowners and arranged for the purchase of land for the District of Columbia. Georgetown was the headquarters of Washington and Major L'Enfant when they supervised the work of the surveyors laying out the Capital of the Nation.

The city of Washington, situated on the east bank of the Potomac, with its many parks and shaded boulevards, has the reputation of being the most beautiful city in America. The monumental classic buildings which house the departments of the Government, the elegant dignity of the White House, and the grandeur of the Capitol dominate a city of handsome residences and wide avenues. The notable monuments, the parks and wooded drives contribute to an atmosphere of distinction expressive of the best spirit of our national life.

The Government has been likened to a great university offering special opportunity in the study of governmental administration, diplomacy, the practical application of our constitutional principles, the administration of law, and of political affairs generally. Thousands of eminent



specialists in all fields of science give to the Nation in a multitude of reports the results of study and research in bureaus, experimental stations, laboratories, museums, and observatories. Realizing the unique educational value of such activities, Congress resolved "that the facilities for research and illustration in . . . any . . . Governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible . . . to the scientific investigators and to students of any institution of higher education now incorporated . . . under the laws of Congress."

The Library of Congress is the greatest of our national institutions in its relation to research and learning. Its large collections include the rarest historical documents and publications; its unique manuscripts and records make up the richest body of source material bearing on the history of our Nation. It contains practically every book printed in America, as well as the most prized of foreign publications. The new Folger Shakespeare Library and special collections in other museums and institutions supplement the Library of Congress in placing Washington foremost as a center of research. The Government's broad educational program centers in the Office of Education, which advises with State, county, and urban school officers as to the administration and improvement of schools, and brings to teachers the results of national experiment and experience. The Bureau of Standards, a unique scientific laboratory, with its large staff of experts, conducts special investigations in the interests of science and technical subjects. The Smithsonian Institution, with its International Exchange Service, distributes a vast accumulation of scientific data and information. The National Museum, with many millions of specimens, is a vast organized collection of the ideas and works of man, illustrating how his simple arts and early beliefs developed into our modern complex culture.

In addition to these Federal institutions which contribute so largely to Washington as a center of learning, there are many other forces converging to make it the focus of educational, intellectual, and cultural achievement. Scientific and educational groups such as the Carnegie Institution of Washington, the American Council on Education, the National Academy of Sciences, the National Research Council, the National Education Association, and the National Geographic Society, with many others, are situated here. Many art galleries, such as the National, the Corcoran, and the Freer, with their priceless collections, are accessible to the student of fine arts. And with the increasing importance of the United States in world affairs, Washington also has become the crossroads of international life, in contact with old-world cultures, and an internationally recognized center of influence. International groups, such as the Pan American Union and the Carnegie Endowment for International Peace, have made Washington their headquarters. The embassies and

legations of foreign countries, with their staffs of diplomatic experts and assistants, also contribute largely to the international aspect of life in the Capital of the Nation.

Washington has become an ideal university city. In such an atmosphere it is not strange that many institutions of higher learning have developed. As early as 1791 Georgetown University opened its doors to students, and in its long history under the jurisdiction of the Jesuit Order it has grown into an institution of importance. Under the patronage of the Methodist Episcopal Church is American University, with its newly developed campus on the outskirts of the city. In Washington is situated the Catholic University of America, authorized by Pope Leo XIII in 1889 and supported by the Roman Catholic Church. Here also is The George Washington University, a nonsectarian university, which was founded in 1821.

Not only have these institutions derived stimulation from the presence of the other cultural influences in the Capital, but, reciprocally, the scholars of their faculties and the body of students in all branches of university work are contributing no small amount of influence to Washington as a seat of learning.

## THE SUMMER SESSIONS

The Summer Sessions of 1938 of The George Washington University will present a full program of academic and professional courses. In addition, a special curriculum has been prepared in the School of Education. A large number of the regular members of the University Faculty will teach during the summer, and distinguished specialists from the departments of the United States Government and from national economic and educational organizations have been added to the staff.

The Summer Sessions will be held as follows: nine weeks' term, June 20 to August 19; six weeks' term, June 27 to August 5. In the Law School the first term will be from June 13 to July 25, and the second term from July 26 to September 8.

Courses will be offered in the Junior College, Columbian College (the senior college), the Law School, the School of Education, the School of Government, and the Division of University Students. Students in the School of Engineering, the School of Pharmacy, and the Division of Library Science will have the opportunity to take many of their elective and required courses in the Junior College and Columbian College curricula.

### ACADEMIC CREDIT

The Summer Sessions are an integral part of the University. Since the courses offered are the equivalent of the corresponding courses offered in the regular terms, academic credit for the completed work will be given toward the appropriate degrees in the various Colleges, Schools, and Divisions of the University.

The general catalogue should be consulted for information concerning regulations and requirements which apply to the various Colleges, Schools, and Divisions of the University.

### MAXIMUM OF CREDIT

In general no student may take more than three courses, aggregating nine semester-hours of credit; no employed student may take more than two courses, aggregating six semester-hours of credit.

Students registered only during the six weeks' term may take not more than three courses, aggregating six semester-hours of credit; employed students in the six weeks' term may take not more than two courses, aggregating four semester-hours of credit.

Students in the Law School may obtain a maximum of four semester-hours of credit in each term.



Any exceptions to these general regulations must be made by the Dean or Director of the College, School, or Division concerned.

#### STUDENT LIFE

Provision is made for the social and recreational side of student life during the Summer Sessions. The University receptions and dances are annual events. Tours and excursions to places of interest, under the direction of competent guides, may be organized for out-of-town students. The numerous parks and golf courses of Washington, the riding trails, water sports on the Potomac and at near-by beaches, all offer a wide choice of outdoor recreation.

The University fee entitles all students in attendance to medical advice and treatment from the Office of the University Physician.

University lectures upon themes of contemporary interest by men distinguished in various phases of our modern life are occasionally offered during the Sessions.

#### CLUB PRIVILEGES

For the benefit of out-of-town students, summer privileges (subject to certain limitations) have been granted to graduate students by the Washington Branch of the American Association of University Women and by the University Club of Washington. Under this arrangement many students may enjoy the use of these club houses and contact with the membership by applying to the Dean of the Summer Sessions.

#### LIVING ACCOMMODATIONS

##### MEN STUDENTS

For the benefit of nonresident men a registry of rooms which have been inspected and approved is kept in the Office of the Director of Women's Personnel Guidance, where inquiries in respect to housing facilities should be addressed.

Single rooms usually range in price from \$20 to \$30 a month, and double rooms from \$10 to \$20 a month a person. Rooms, with board consisting of breakfast and dinner, cost from \$40 to \$50 a month a person.

It is advisable for students to reach the University two or three days before the opening of the term in order that they may become established in satisfactory living quarters before class work begins.

##### WOMEN STUDENTS

The Hattie M. Strong Residence Hall is open to women students registered in the Summer Sessions. This residence provides a comfortable

home on the University Yard, conveniently situated near the center of Washington.

Forms for application for room reservations, together with detailed information about the dormitory, may be obtained from the Director of Women's Personnel Guidance, The George Washington University, Washington, D. C.

#### UNIVERSITY REGULATIONS

The right is reserved to drop any student whenever, in the interest of the student or the University, the Faculty deems it advisable to do so.

The University is not responsible for the loss, in any University building, of personal property belonging to students.

The University and its various Colleges, Schools, and Divisions reserve the right to modify or change the requirements, rules, and fees of the University. Such regulations shall go into force whenever the proper authorities may determine and shall apply to all students of the University.

The residence requirement for graduation in all undergraduate divisions of the University is the completion of a minimum of one year, or thirty semester-hours. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks.

THE UNIVERSITY





## THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President of the University, ex officio, and the following persons by election:

1938

- Avery DeLano Andrews, B.S., LL.B., Winter Park, Florida.  
Clarence Aiken Aspinwall, 1140 Fifteenth Street.  
Henry Parsons Erwin, A.B., Hibbs Building.  
Mrs. Joshua Evans, Jr., A.B., Ed.D., 3405 Lowell Street.  
\*Howard Wilkinson Hodgkins, B.S., LL.B., 1604 First National Bank Building, Chicago, Illinois.  
\*John Edgar Hoover, LL.M., LL.D., United States Department of Justice.  
Abram Lisner, A.M., 1723 Massachusetts Avenue.  
Charles Riborg Mann, Ph.D., Sc.D., 744 Jackson Place.  
Walter Rupert Tuckerman, A.B., LL.B., 1721 H Street.  
Chester Wells, B.S., Graduate United States Naval War College, Jones Mill Road, Chevy Chase, Maryland.

1939

- Harry Cassell Davis, A.M., L.H.D., 1921 Kalorama Road.  
\*George Edgar Fleming, LL.M., Union Trust Company.  
Charles William Gerstenberg, LL.B., 70 Fifth Avenue, New York City.  
Ulysses S. Grant, 3d, B.S., Graduate United States Engineers' School, Governor's Island, New York.  
Gilbert Grosvenor, A.M., LL.D., Litt.D., National Geographic Society.  
Alfred Henry Lawson, LL.B., Washington Loan and Trust Company.  
Theodore Williams Noyes, A.M., LL.M., LL.D., 1730 New Hampshire Avenue.  
\*Luther Halsey Reichelderfer, M.D., LL.D., 1661 Crescent Place.

1940

- Charles Silas Baker, A.M., LL.B., 720 Munsey Building.  
\*Bennett Champ Clark, A.B., LL.B., Senate Office Building.  
John Henry Cowles, LL.D., 1733 Sixteenth Street.

\* Nominated by the alumni.

Robert Vedder Fleming, Riggs National Bank.

Charles Carroll Glover, Jr., A.M., LL.B., Riggs National Bank.

Arthur Peter, LL.B., Washington Loan and Trust Building.

Mrs. Henry Alvah Strong, LL.D., Hill Building.

Merle Thorpe, A.B., United States Chamber of Commerce Building.

\*Alfred Adams Wheat, A.B., LL.B., LL.D., District Court House.

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*Chairman of the Board of Trustees*

Robert Vedder Fleming

*Vice Chairman of the Board of Trustees*

Arthur Peter

*Secretary of the Board of Trustees*

Harry Cassell Davis

---

\* Nominated by the alumni.



## OFFICERS OF ADMINISTRATION

### THE UNIVERSITY

- Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*  
William Carl Ruediger, Ph.D., *Provost of the University.*  
Charles Wendell Holmes, LL.D., *Comptroller of the University.*  
Harold Griffith Sutton, M.S., *Director of Admissions.*  
John Russell Mason, B.S. in L.S., A.M., *Librarian of the University.*  
Fred Everett Nessel, A.B., *Registrar of the University; Secretary of the Faculties.*  
Robert Whitney Bolwell, Ph.D., *Dean of the Summer Sessions.*  
Vinnie Giffen Barrows, A.M., *Director of Women's Personnel Guidance.*  
Daniel LeRay Borden, A.M., M.D., *Director of Health Administration.*  
Alan Thomas Deibert, A.M., *Adviser to Students from Foreign Countries.*  
Myrna Pauline Sedgwick, A.B., *Secretary to the President.*  
Lester Allan Smith, A.M., *Alumni Secretary.*

### THE COLLEGES, SCHOOLS, AND DIVISIONS

- The President of the University, *Chairman of the Graduate Council.*  
William Crane Johnstone, Jr., Ph.D., *Dean of the Junior College.*  
Henry Grattan Doyle, A.M., *Dean of Columbian College.*  
Earl Baldwin McKinley, A.B., M.D., *Dean of the School of Medicine.*  
William Cabell Van Vleck, A.B., LL.B., S.J.D., *Dean of the Law School.*  
John Raymond Lapham, M.S., *Dean of the School of Engineering.*  
William Paul Briggs, M.S., *Dean of the School of Pharmacy.*  
Elmer Louis Kayser, Ph.D., *Dean of University Students; University Marshal.*  
Warren Reed West, Ph.D., *Assistant Dean of the School of Government.*  
Alfred Francis William Schmidt, A.M., *Director of the Division of Library Science.*  
James Harold Fox, A.M., Ed.D., *Secretary of the Executive Committee of the School of Education.*  
George Howland Cox, *Director of the Inter-American Center.*

## STAFF OF INSTRUCTION

- Mary Alice Adams, A.M., *Principal, Montebello Demonstration School, Baltimore, Maryland, Visiting Assistant Professor of Education.*
- Antonio Alonso, A.M., *Instructor in Romance Languages.*
- Charles Roberts Anderson, Ph.D., *Duke University, Visiting Assistant Professor of English.*
- Paul Bartsch, Ph.D., Sc.D., *Professor of Zoology.*
- Carville Dickinson Benson, Jr., A.B., LL.B., S.J.D., *Associate Professor of Law.*
- Robert Whitney Bolwell, Ph.D., *Professor of American Literature.*
- Thomas Benjamin Brown, Ph.D., *Professor of Physics.*
- Allen Buchanan, Ph.D., *Lecturer in Economics.*
- Eugene Willard Burgess, Ph.D., *Securities and Exchange Commission, Lecturer in Business Administration.*
- Arthur Edward Burns, Ph.D., *Assistant Professor of Economics.*
- Carroll Dunham Champlin, Ph.D., *Pennsylvania State College, Visiting Professor of Education.*
- Walter Lynn Cheney, Ph.D., *Professor of Physics.*
- William Randall Compton, M.B.A., LL.B., J.S.D., *Assistant Professor of Law.*
- James Christopher Corliss, A.M., *Associate Professor of Inter-American Economics.*
- James Forrester Davison, A.B., LL.M., S.J.D., *Associate Professor of Law.*
- Henry Grattan Doyle, A.M., *Professor of Romance Languages.*
- Mitchell Dreese, Ph.D., *Associate Professor of Educational Psychology.*
- L. László Ecker-Racz, Ph.D., *Department of the Treasury, Lecturer in Economics.*
- Claud Max Farrington, A.M., *Associate Professor of Physical Education for Men.*
- James Harold Fox, A.M., Ed.D., *Associate Professor of Education.*
- William Cullen French, Ph.D., *Professor of Education.*
- William Thomas Fryer, A.B., LL.B., J.D., *Associate Professor of Law.*
- Christopher Browne Garnett, Jr., Ph.D., *Associate Professor of Philosophy.*
- Martha Gibbon, A.M., *Assistant Professor of English.*

- Wood Gray, Ph.D., *Associate Professor of American History.*
- Robert Fiske Griggs, Ph.D., *Professor of Botany.*
- Thelma Hunt, Ph.D., M.D., *Assistant Professor of Psychology.*
- William Crane Johnstone, Jr., Ph.D., *Associate Professor of Political Science.*
- Elmer Louis Kayser, Ph.D., *Professor of European History.*
- Ralph Dale Kennedy, Ph.D., *Assistant Professor of Accounting and Business Administration.*
- DeWitt Clinton Knowles, Jr., M.S., *Assistant Professor of Chemistry.*
- Wolfram Karl Legner, Ph.D., *Instructor in German.*
- John Albert McIntire, A.B., LL.B., *Assistant Professor of Law.*
- Florence Marie Mears, Ph.D., *Associate Professor of Mathematics.*
- Howard Maxwell Merriman, Ph.D., *Instructor in American History.*
- Walter Lewis Moll, A.B., LL.B., S.J.D., *Professor of Law.*
- William Henry Myers, A.B., *Assistant Professor of Physical Education for Men.*
- Charles Rudolph Naeser, Ph.D., *Assistant Professor of Chemistry.*
- Katharine Tait Omwake, Ph.D., *Agnes Scott College, Visiting Assistant Professor of Psychology.*
- Richard Norman Owens, Ph.D., C.P.A., *Professor of Accounting and Business Administration.*
- Merle Irving Protzman, A.M., *Associate Professor of Romance Languages.*
- Lowell Joseph Ragatz, Ph.D., *Professor of European History.*
- Edward Henry Sehrt, Ph.D., *Professor of German.*
- Ernest Sewall Shepard, A.M., *Assistant Professor of English.*
- Audley Lawrence Smith, Ph.D., *Assistant Professor of English.*
- Harvey Arthur Smith, Ph.D., *Assistant Superintendent of Schools in Charge of High Schools, District of Columbia, Lecturer in Education.*
- Lennig Sweet, Ph.D., *Social Security Board, Lecturer in Education.*
- John Albert Tillema, Ph.D., LL.M., S.J.D., *Associate Professor of Political Science.*
- Fred Salisbury Tupper, Ph.D., *Instructor in English.*
- Benjamin Douglass Van Evera, Ph.D., *Associate Professor of Chemistry.*
- William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law.*
- Chester Charles Ward, B.S., LL.M., *Assistant Professor of Law.*
- Donald Stevenson Watson, Ph.D., *Assistant Professor of Economics.*



LeRoy Samuel Weatherby, Ph.D., *University of Southern California,*  
*Visiting Professor of Chemistry.*

Frank Mark Weida, Ph.D., *Professor of Statistics.*

Carl Douglas Wells, Ph.D., *Assistant Professor of Sociology.*

Warren Reed West, Ph.D., *Professor of Political Science.*

Douglas Emory Wilson, A.M., *Instructor in English.*

Samuel Nathaniel Wrenn, Ph.D., *Assistant Professor of Chemistry.*

Donnell Brooks Young, Ph.D., *Professor of Zoology.*

## THE UNIVERSITY

The idea of a university located in the Capital of the Nation was sponsored by George Washington, who during his public life urged the establishment of such an institution and who in his will left fifty shares of stock in the Potomac (Canal) Company for the endowment of a university to be established in the District of Columbia "to which the youth of fortune and talents from all parts thereof might be sent for the completion of their Education in all the branches of polite literature;—in arts and Sciences,—in acquiring knowledge in the principles of Politics & good Government".

The George Washington University is the successor of Columbian College in the District of Columbia, which was chartered by an act of Congress of February 9, 1821. In 1873 the name was changed to "Columbian University" and in 1904 to "The George Washington University".

In 1930 a new plan of academic organization was effected, resembling in principle the master-apprentice relation of the old guild system. The University as it is now organized consists of the Junior College, comprising the work of the freshman and sophomore years; a senior college, known as "Columbian College", which awards the Bachelor's and Master's degrees; the Graduate Council; the professional Schools and Divisions, which include Medicine, Law, Engineering, Pharmacy, Education, Government, and Library Science; the Division of University Students; the Inter-American Center; and the Summer Sessions.

The George Washington University is located in the heart of the city of Washington, a short distance from the Potomac River and the Mall. Within a few blocks are the White House and the offices of many of the departments of the Government, including the Department of State, the Department of the Treasury, the Department of War, the Department of Justice, the Department of the Navy, the Department of the Interior, the Department of Agriculture, the Department of Commerce, and the Department of Labor. The Corcoran Gallery of Art, the Pan American Union Building, and the National Academy of Sciences are also near by; and the Capitol and the Library of Congress can be reached by streetcar in twenty minutes from any of the University buildings.

## EDUCATIONAL FACILITIES

Buildings, grounds, and equipment of the University are valued at \$4,500,000. The buildings of the Colleges, Schools, and Divisions offering Summer Sessions work are located in the vicinity of Twenty-first and G Streets NW.

### THE UNIVERSITY LIBRARY

The University Library, which comprises the General Library, the various divisional, departmental, and seminar libraries, the Medical Library, and the Law Library, contains more than 113,000 volumes.

The General Library includes, in addition to the general collection, the library of the late Professor Richard Heinzel, of the University of Vienna, which contains 7,200 books and pamphlets in Germanic philology and literature and cognate branches; the library of the late Professor Curt Wachsmuth, of the University of Leipzig, which contains 7,900 books and pamphlets in Greek and Roman literature, archeology, and history; the Mount Vernon Alcove, which contains 4,000 volumes in political history, international law, and the social sciences; a representative collection of Spanish American books, the gift of the governments of Hispanic America; the Chauncey Mitchell Depew Public Speaking Library of approximately 500 volumes, the gift of Mrs. Chauncey M. Depew; and the collection of the Department of Art, which contains over 2,000 volumes, mainly on architecture, and the Russell Sturgis collection of 7,500 mounted photographs. About 1,000 of these last-named volumes constitute a collection made available by the American Institute of Architects, to whom the library is always accessible.

The General Library, in Lisner Hall, and the Social Science Library, in Building D, are open from 8.30 a.m. to 9.30 p.m. Monday to Friday, and from 10 a.m. to 2 p.m. on Saturday.

The Law Library, in Stockton Hall, is open from 10 a.m. to 10 p.m. Monday to Friday, and from 1 to 5 p.m. on Saturday.

### OTHER LIBRARY FACILITIES

Students have access also to the Library of Congress; the Public Library of the District of Columbia and its branches; the Library of the Carnegie Endowment for International Peace; the Library of the Pan American Union; the Library of the Bureau of Railway Economics; the Library of the United States Department of Agriculture, with its scientific departmental collections; the Library of the United States Office of Education; the Army Medical Library; the Library of the Smithsonian Institution; and many of the other great special collections of the Government departments.



GOVERNMENTAL INSTITUTIONS ACCESSIBLE TO STUDENTS

In order to promote research and the diffusion of knowledge, the Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

*Resolved by the Senate and House of Representatives of the United States of America, in Congress assembled, That the facilities for research and illustration in the following and any other Governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:*

- One. Of the Library of Congress.
- Two. Of the National Museum.
- Three. Of the Patent Office.
- Four. Of the Bureau of Education.
- Five. Of the Bureau of Ethnology.
- Six. Of the Army Medical Museum.
- Seven. Of the Department of Agriculture.
- Eight. Of the Fish Commission.
- Nine. Of the Botanic Gardens.
- Ten. Of the Coast and Geodetic Survey.
- Eleven. Of the Geological Survey.
- Twelve. Of the Naval Observatory.

## ADMISSION

The courses given in the Summer Sessions offer opportunities to qualified students of two distinct classes: *first*, persons interested in special subjects who do not desire credits for degrees from The George Washington University, and students of other institutions; *secondly*, students who have already matriculated, and new students who plan to work toward degrees in this institution.

### I. ENTRANCE PROCEDURE FOR STUDENTS NOT SEEKING DEGREES

Interested persons should file with the Director of Admissions an application blank obtainable at the Office of Admissions, Building C, 2029 G Street NW. Such students will be admitted only to those courses for which they have adequate preparation and for which the approval of the instructor is obtained. Students in this group will register in the Division of University Students.

### II. ENTRANCE REQUIREMENTS FOR STUDENTS SEEKING DEGREES

The requirement for admission to the freshman class of the Junior College (which prepares for the professional Schools) and of the School of Engineering is a certificate of graduation from an accredited four-year high-school course, amounting to at least fifteen "units". For admission to the School of Engineering or to the premedical curriculum in the Junior College, these units must be distributed as specified in the general catalogue of the University.

The quality of work done must be satisfactory. A graduate of a school regionally accredited must rank in the upper four fifths of his class; a graduate of a school State-accredited only must rank in the upper two fifths of his class. Transfer students, in order to be admitted, must likewise rank well in the accredited institution previously attended.

Further information regarding requirements for admission and regarding entrance examinations may be found in the general catalogue of the University.

### SPECIAL INSTRUCTIONS TO STUDENTS SEEKING DEGREES

1. Prospective students should write to the Director of Admissions, The George Washington University, for an application blank, which should be filled out carefully and *returned at once*. All questions must be answered, and the Division to which admission is desired should be checked. Although this application does not bind the individual to

attend the University, it gives important information and saves time during the student's registration procedure.

2. A student entering The George Washington University for the first time, and expecting to become a candidate for a degree here, should see that a transcript of his record from each institution of higher learning previously attended is forwarded direct to this University.

Applicants for the premedical curriculum must have their high-school records sent in upon the University form, in addition to any other transcripts.

Students who have graduated from high school only should ask the Director of Admissions to mail them a special high-school record form, which the student will then forward to his principal.

3. In order that credentials may be considered and the decision reported without delay, students are urged to file both application and record or records immediately upon deciding to apply for admission.



## REGISTRATION

Before a student may be admitted to registration he must have satisfied the Office of Admissions that he is qualified for entrance to the University (see "Admission", pages 20-21).

### TIME AND PLACE OF REGISTRATION

Registration for the nine weeks' term in the Junior College, Columbian College, the School of Education, the School of Government, and the Division of University Students will be held on Monday, June 20. Registration will be conducted in Corcoran Hall, 725 Twenty-first Street NW., from 9 a.m. to 8 p.m. Registration for the six weeks' term in these Schools and Divisions will be held on Monday, June 27. Registration for the first term in the Law School will be conducted in Stockton Hall on Monday, June 13. Registration for the second term in the Law School will be held on Tuesday, July 26.

### REGISTRATION PROCEDURE

Instructions for registration will be issued to each student at the time of registration. A student who has previously matriculated in the University, but who has not been in attendance during the semester prior to registration, should file an application blank in advance of registration.

### LATE REGISTRATION

For registration after June 20 in the nine weeks' term, and after June 27 in the six weeks' term, a late-registration fee of \$5 will be charged. Registration in all courses for credit closes on June 27 for the nine weeks' term and on July 5 for the six weeks' term.

### CHANGE IN REGISTRATION

Application for a change in registration should be filed in the office of the Dean or Director of the School or Division. Change may be made only with the permission of the adviser or major professor and the Dean of the School or Director of the Division concerned.

## FEES AND FINANCIAL REGULATIONS

By authorization of the Board of Trustees, the following fees have been adopted, effective at the beginning of the Summer Sessions of 1938.

### UNIVERSITY FEE

For students registered for credit.....	\$4.00
For auditors.....	2.00

### TUITION FEES

In the Junior College, Columbian College, the Law School, the School of Engineering, the School of Pharmacy, the School of Education, the School of Government, the Division of University Students, and the Division of Library Science, for each semester-hour.....	8.00
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### EXAMINATION FEES

For examinations to qualify for advanced courses, and for all special examinations, for each subject.....	5.00
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### SPECIAL FEES

Late-registration fee, charged all students who fail to register within the designated period.....	5.00
Reinstatement fee, charged students who are reinstated after suspension for delinquency in fees.....	5.00

## LABORATORY FEES AND DEPOSITS

Fees are charged in each course listed below as indicated. Material fees are charged by the term and may be paid in installments when the tuition is paid in this manner. Breakage deposits are due in full at the time of registration. Breakage of apparatus is charged against the individual student, and the amount paid in excess of breakage will be returned at the end of the Sessions.

### CHEMISTRY

#### Material fee:

Chemistry 11, 12, 21.....	9.00
Chemistry 41, 42.....	12.00
Breakage deposit for one or more of the above courses.....	10.00
In case the student's breakage totals more than this amount, he will be required to make an additional deposit.	

### PHYSICAL EDUCATION FOR MEN

#### Towel fee:

Physical Education 1, 2, 9, 10.....	1.50
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### PHYSICS

#### Material fee:

Physics 12, 13.....	4.50
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### PSYCHOLOGY

#### Material fee:

Psychology 133.....	1.50
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## STATISTICS

Material fee:

Statistics 101, 102..... 3.00

## ZOOLOGY

Material fee:

Zoology 1, 2, 54..... 4.50

## PAYMENT OF FEES

All fees are payable at the Office of the Comptroller, 725 Twenty-first Street, NW. No student is permitted to complete registration or to attend classes until all fees are paid. All fees are due in advance at the time of registration. In exceptional cases, subject to the approval of the Comptroller, students registering for more than three semester-hours in the nine weeks' term may sign contracts for their charges permitting installment payments as follows: one half plus the University fee and deposits at the time of registration, and one half on July 20. Students whose fees are not paid in full on or before July 20 will be suspended and may not attend classes until they have been officially reinstated and have paid all accrued fees and a reinstatement fee of \$5. A suspended student may not be reinstated for the session after one week from the date of suspension. Applications for reinstatement are to be made to the Dean of the School or Director of the Division in which the student is registered.

Fees of students registering for the six weeks' courses are payable in full at the time of registration.

Auditors pay a University fee of \$2 and all other fees chargeable to students registered for credit except the late-registration fee.

High School Scholarships and other scholarships do not apply to work taken during the Summer Sessions.

## WITHDRAWALS AND REFUNDS

In the nine weeks' courses, if the notice of withdrawal or change in schedule is received by the Dean of the School or the Director of the Division in which the student is registered on or before July 19, the second installment will be cancelled or adjusted. Notification to an instructor is not an acceptable notice. In no case will any part of an initial installment of tuition be reduced or refunded because of nonattendance upon classes.

In all six weeks' courses, including courses in the Law School, registrations are for the term, and no refunds or rebates are allowed, unless the registration is in advance and the course is dropped before the day of registration for the term involved.



Any student in Chemistry who fails to check out of the laboratory on or before the date set by the instructor, unless excused by the instructor, shall forfeit the balance of his deposit. Students dropping a course before the end of the term must check out of the laboratory at once.

No permission to withdraw and no certificate of work done will be given a student who has not a clear financial record.

As the fiscal year of the University ends on August 31, no requests for refunds can receive consideration after that date.



THE COLLEGES, SCHOOLS, AND DIVISIONS





## THE JUNIOR COLLEGE

### INTRODUCTORY

The Junior College includes the first two years of college work. Its curricula are intended to continue the studies of a general cultural nature begun in the secondary schools, and to lay a foundation for the more specialized work which is to follow. During the freshman and sophomore years emphasis is accordingly laid (1) upon the social, cultural, biological, and physical background of civilization (history, political science, physical and biological sciences, literature, etc.) and (2) upon the discipline necessary to the effective prosecution of more advanced work (English rhetoric and composition, foreign languages, mathematics, etc.).

The Junior College also provides the preprofessional work required for admission to the Schools of Medicine, Law, Pharmacy, Education, and Government, and to the Division of Library Science.

In addition, it provides two two-year curricula, leading to the Junior Certificate, which are intended to meet the needs of students who do not look forward to a four-year college course.

### ADVISORY SYSTEM

In order that students may have abundant opportunities not only for assistance in planning their courses of study but also for personal, educational, and vocational advice in every phase of their academic work during the first two years, a number of members of the Faculty serve as advisers to Junior College students. Incoming students will be assigned to advisers at the time of registration and will be required to consult them at least once during the summer. Students on probation and "warned" students are required to consult their respective advisers at such stated intervals as the Dean or adviser may direct. (See regulations on scholarship in the general catalogue, and "Warnings", below.) All students are, however, encouraged to consult their advisers about their college problems at any time, irrespective of these requirements. Students are expected to consult with the same advisers throughout their freshman and sophomore years, it being understood that these members of the Faculty act in the capacity of general educational advisers rather than as representatives of their respective departments of instruction.

### ADMISSION

For a statement of the general regulations and procedure for admission to the University, see pages 20-21.

### THE JUNIOR CERTIFICATE

Upon the satisfactory completion of the requirements of the Junior College, a Junior Certificate is granted. This certificate is required for admission to the junior class of Columbian College and to the professional Schools which require two years of preprofessional work.

### REQUIREMENTS FOR THE CERTIFICATE

To be recommended for a certificate, a student must satisfy the admission, residence, scholarship, and curriculum requirements. The curriculum requirements include at least sixty-four semester-hours of credit. A semester-hour of credit is one recitation or lecture a week or one laboratory period a week for one semester. For further information, see the Junior College announcement in the general catalogue.

The scholarship requirements, as stated in detail in the general catalogue, are in effect during the Summer Sessions.

### WARNINGS

At stated intervals during the Summer Sessions, instructors shall file in the Office of the Registrar the names of those students who are doing work of *D* grade or lower. These "warnings" shall be transmitted to the students concerned and copies forwarded to their respective advisers. A warning constitutes notice to the student that he must consult his adviser within a reasonable time and in any case not later than two weeks after receipt of the warning.

"Warning periods" during the Summer Sessions are established as follows: six-week courses, third to fourth week; nine-week courses, fourth to fifth week.

### COURSES OF INSTRUCTION

Junior College students may not take second-group courses (courses numbered 101-200) without the written permission of the instructor and of the Dean of the Junior College. A student will not be permitted to postpone a first-group course, required under the curriculum for which he is registered, in order to take a second-group course for elective credit. The principle that first-group courses must be taken in the Junior College years, and advanced courses in Columbian College and the professional Schools, will be rigidly adhered to in approving student programs.



## COLUMBIAN COLLEGE

### ADMISSION

Applicants for admission to Columbian College having the intention of becoming candidates for the degree of Bachelor of Arts or Bachelor of Science must present a Junior Certificate, based on the appropriate curriculum of the Junior College, or its equivalent.

Applicants for admission to Columbian College having the intention of becoming candidates for the degree of Master of Arts must present a baccalaureate degree in liberal arts or sciences from an accredited institution and a transcript of studies previously pursued.

### THE BACHELOR'S DEGREES

Upon the satisfactory completion of the undergraduate requirements of Columbian College, the degree of Bachelor of Arts or Bachelor of Science is conferred.

In cooperation with the School of Medicine a seven-year curriculum leading to the combined degrees of Bachelor of Arts and Doctor of Medicine is offered.

### REQUIREMENTS FOR THE DEGREES

To be recommended for a baccalaureate degree a student must satisfy the admission, residence, scholarship, and curriculum requirements.

A minimum of one year, or thirty semester-hours, must be completed in residence. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission is granted by the Dean to pursue work elsewhere, the work of the senior or final year must be completed in residence.

The scholarship requirements, as stated in detail in the general catalogue, are in effect during the Summer Sessions.

### CURRICULUM REQUIREMENTS

Every candidate for graduation must satisfy one of the curricula listed below leading to the degree of Bachelor of Arts or Bachelor of Science. The curriculum requirements include at least sixty semester-hours of credit beyond that of the Junior College.

In the case of curricula B-I, B-II-a, and B-II-b in Columbian College, the requirements for the major in the several departments of instruction are stated in the general catalogue immediately preceding the announce-

ment of courses offered. The first year of Medicine satisfies the requirements for the major in the combined Arts and Medicine curriculum.

Students are required to select and file with the Registrar a choice of a major upon entering Columbian College. Students may change the major only with the consent of the Dean and of the department or division concerned.

Attention is called to the new plan of studies in Columbian College, which is described in the general catalogue of the University and in a separate pamphlet, available on request.

#### BACHELOR OF ARTS

**B-I.\* *General Curriculum.***—The work of the junior and senior years, including a major, must be approved by the major department or division and by the Dean.

**G.\* *Combined Curriculum: Bachelor of Arts and Doctor of Medicine.***—This curriculum contemplates three years of collegiate study (the final thirty semester-hours of which must be taken in Columbian College) and four years in the George Washington University School of Medicine.

Students wishing to avail themselves of the opportunity offered by the combined curriculum must obtain the approval of the Dean of Columbian College at the time of entering the School of Medicine. Upon the completion of the first year of the regular curriculum in the School of Medicine, and upon the recommendation of its Dean, the degree of Bachelor of Arts will be conferred.

#### BACHELOR OF SCIENCE

The work of the junior and senior years, including a major in one of the sciences mentioned below, must be approved by the major department or division and by the Dean.

**B-II-a.\* *Biology, Botany, Geology, and Zoology Curriculum.***—Geology 21-22 must be taken if not elected earlier.

**B-II-b.\* *Chemistry, Mathematics, and Physics Curriculum.***—If Botany has been elected earlier, Geology 21-22 or Zoology 1-2 must be taken. If Geology has been elected earlier, either Botany 1-2 or Zoology 1-2 must be taken.

\* See the table of the Junior College curricula in the general catalogue of the University, facing the Junior College announcement.

### THE DEGREE OF MASTER OF ARTS

Upon the satisfactory completion of the graduate requirements of Columbian College, the degree of Master of Arts is conferred.

### DEFINITION OF THE MASTER'S WORK

The purpose and function of study leading to the degree of Master of Arts is to give the student a comprehensive survey of a field of knowledge. This study involves the continuation of the cultural elements provided for in the undergraduate major and a greater acquaintance with scholarly methods.

The basis for granting the degree is the completion of a consistent plan of study, as demonstrated by the successful passing of a written examination (together with such other examinations involving special skills or techniques as the department or the division may require) and by the presentation of a satisfactory thesis.

The student must satisfy certain minimum requirements as to previous preparation, residence, ability to read an approved foreign (European) language, and courses taken; but these requirements, while essential, are regarded primarily as qualifying measures. The student's knowledge of his field, as demonstrated by his thesis and by the results of his Master's examination, constitutes the fundamental evidence of his worthiness to receive the Master's degree of The George Washington University.

### RESIDENCE

An academic year of residence is required, i.e., completion of a minimum of thirty semester-hours of work including the thesis, which is counted as six semester-hours of work. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than twenty-seven weeks. Not more than twelve semester-hours (which must be approved in advance by the Dean of Columbian College) may be taken in another School or Division of this University, and such work may not be counted toward both a degree in that School or Division and the Master's degree in Columbian College. No part of the minimum requirement may be taken elsewhere. All work for the degree of Master of Arts shall be completed within a maximum of three years, unless the Dean's Council considers the circumstances so unusual as to justify an extension of time.

### PROGRAM OF STUDY

The student's program of study shall be outlined in detail at the beginning of his work, and one copy of the program shall be given to the student, one retained by the adviser, and one filed in the Office of



the Registrar. Each program is subject to the approval of the department or division. Programs may be revised as occasion requires, but revisions shall be made from the point of view of the program as a whole, and copies of the revised program distributed as in the case of the original program.

A student who expects to continue his studies for the degree of Doctor of Philosophy after receiving the Master's degree is strongly advised so to plan his program from the beginning that work for the lower degree may prepare him for the higher.

#### ADMISSION TO CANDIDACY

A student shall be admitted to candidacy, at the discretion of the department and the division concerned, before he begins the last half of his work for the Master's degree. Application for admission to candidacy is made on a form obtained at the Office of the Registrar, and must be approved by the appropriate representative of the division and by the Dean. If a prospective candidate, in his previous academic work, has not substantially satisfied the prerequisites for the Master of Arts study, as defined by his major department or division, he will not be admitted to candidacy until such deficiency has been made up.

Before being admitted to candidacy the student must also show that he has a reading knowledge (certified by the appropriate foreign-language department) of at least one modern foreign (European) language, which shall be selected by the division under which he is studying.

#### THE MASTER'S THESIS

The thesis may be of a research, expository, critical, or creative type. The main purpose of a Master's thesis is to demonstrate the student's ability to make independent use of the information and training acquired through his other disciplines, and to furnish objective evidence of his constructive powers in his chosen field. The thesis must be registered for not later than the beginning of the final year of preparation unless the professor in charge of the thesis permits registration at the beginning of the final semester. For this purpose the nine weeks' term of the Summer Sessions is considered a semester. The choice of the thesis subject must be approved by the professor in charge of the major and recorded in the Office of the Registrar by the date announced in the University calendar. The typewritten thesis in its final form must have the approval of the professor in charge of the major and of the Educational Committee of the division concerned, and must be presented to the Dean by the student not later than the date announced in the

University calendar. Requirements regarding the form of the thesis are stated in the general catalogue of the University.

#### THE MASTER'S EXAMINATION

In addition to such other examinations as may be required, candidates must pass a general written examination on the major subject. The provisions of the new plan for undergraduate majors, as far as they concern the general examination for the major, also apply to the Master's examination.

## THE LAW SCHOOL

### ADMISSION

The requirements for admission are the same as those for the regular session. Candidates for degrees must have received before admission to the Law School the degree of Bachelor of Arts or an equivalent degree from an approved college or university. Students from other approved law schools may be admitted for the Summer Session as regular or as unclassified students. Unclassified students must comply with the same entrance requirements as candidates for degrees.

Qualified students are permitted to begin the study of Law in the Summer Session.

### THE DEGREES

The Law School offers the degrees of Bachelor of Laws (LL.B.), Master of Laws (LL.M.), and Juris Doctor (J.D.). Regarding requirements for these degrees, see the Law School announcement in the general catalogue.

### RESIDENCE AND ATTENDANCE

The Summer Session is a regular part of the work of the School. Credit is given for subjects completed by regularly qualified students. Residence credit is given for one fifth of a part-time year for attendance in one term of the Summer Session. A part-time year is three fourths of a full-time year and one fourth of the residence requirement for the degree of Bachelor of Laws. In no case will residence credit amounting to more than this be allowed for attendance during the Summer Session.

### COURSES OF INSTRUCTION AND CREDITS

Students may obtain a maximum of four semester-hours of credit in each term by attendance aggregating ten periods a week.



## THE SCHOOL OF EDUCATION

### INTRODUCTORY

It is the purpose of the School of Education to prepare teachers, supervisors, and administrators for the higher ranges of educational service and to offer opportunities to teachers of experience to extend their training. The School embraces the Departments of Education, Physical Education, and Home Economics, and it is affiliated with all the other departments of the University in which the student is likely to elect work. It offers both graduate and undergraduate work.

The program for a degree in the School of Education is planned with the assistance of a Faculty adviser to meet the specific needs of each student. It is important, therefore, that a student have a clear idea of his interest in Education, and also that he be familiar with whatever teaching-certificate requirements he wishes to meet.

The Department of Education offers fundamental courses in the field of Education; students are encouraged to take a large part of their work in the content fields provided by the other departments of the University.

### ADMISSION

Admission to the undergraduate division of the School is based on (a) the satisfactory completion of two years of approved college work, or (b) graduation from an approved two-year normal school, or the equivalent. Students meeting these requirements are admitted as regular students.

To be admitted to graduate standing a candidate must hold a baccalaureate degree from an accredited school or college or must have completed a course of study that is judged by the Faculty to be the equivalent. In addition, the candidate must be accepted by the Committee on Admission and Advanced Standing. The general procedure in meeting this requirement will usually include scholarship and personality ratings from instructors under whom the candidate has studied, a personal interview with the committee, and a scholastic-aptitude test.

### THE BACHELOR'S DEGREES

Upon the satisfactory completion of the undergraduate requirements of the School of Education, the degree of Bachelor of Arts in Education, Bachelor of Science in Home Economics, or Bachelor of Science in Physical Education is conferred.

To be recommended for a degree a student must satisfy the admission, residence, scholarship, and curriculum requirements.

A minimum of one year, or thirty semester-hours, must be completed in residence. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission is granted by the Dean to pursue the work elsewhere, the work of the senior or final year must be completed in residence.

The scholarship requirements, as stated in detail in the general catalogue, are in effect during the Summer Sessions.

#### BACHELOR OF ARTS IN EDUCATION

Students admitted with two years of approved college work are granted the degree of Bachelor of Arts in Education upon the completion of sixty-six semester-hours of work. This work must include:

	Sem. hrs.
*Education (including Observation and Cadet Teaching).....	18
†Educational Psychology.....	2 or 3
†Educational Sociology.....	2 or 3
Subject-matter field.....	24 to 36
Electives.....	6 to 20

To the extent that courses in the foregoing list are offered for admission, the range of electives is increased.

For further details consult the general catalogue.

#### BACHELOR OF SCIENCE

For detailed information concerning curricula leading to degrees of Bachelor of Science in Home Economics and Bachelor of Science in Physical Education, see the general catalogue.

#### THE HIGHER DEGREES

Upon the satisfactory completion of the graduate requirements of the School of Education, the degree of Master of Arts or the degree of Doctor of Education is conferred.

Graduate work completed in other accredited institutions of learning may be credited toward the Master's degree, but a minimum of twenty-four semester-hours must be completed at The George Washington University.

Transferred work completed more than three years prior to registration for the Master's degree at The George Washington University will

\* The choice of electives in Education and the number of hours elected in excess of eighteen will depend largely upon the certification requirements that the student wishes to meet.  
† Required in addition to eighteen semester-hours in Education.

be credited only after the candidate has satisfied the department concerned that he is proficient in the subject matter of the courses offered for credit. Such proficiency may be determined by examination or by other means.

#### MASTER OF ARTS

The degree of Master of Arts is a professional degree designed to prepare the student for some particular type of educational service. The program of studies leading to the degree will be selected by the candidate and his consultative committee from the various departments of the University to give the student an adequate background in his chosen vocational field.

A candidate must pass in resident study at this University at least two semesters, or one semester and a nine-week summer term, or three nine-week summer terms, or four six-week summer terms.

A student whose previous preparation in his chosen field has been adequate may complete his class requirements, including the thesis, by a minimum of thirty semester-hours of work; others may be required to take as many as twelve semester-hours additional.

The program of study will be rounded out by a thesis, which will count as six semester-hours of credit toward the degree. It may be of a research, expository, critical, or creative type, and is intended to demonstrate the student's ability to make independent use of the information and training that he has acquired, and to furnish objective evidence of his constructive powers in his chosen field. The thesis subject must be approved in writing by the candidate's adviser and recorded in the Office of the Registrar by the date announced in the University calendar.

#### DOCTOR OF EDUCATION

The degree of Doctor of Education is conferred upon the completion of three years of graduate work, including a thesis. The work required is given a practical bent and emphasizes the mastery and application of professional subject matter, both in the study requirements and in the thesis. The tools of investigation are not set, but are determined by the student's committee in relation to the student's needs. These tools may include statistical methods, historical criticism, and the use of one or more foreign languages. At least two semesters must be spent in residence at this University. Special emphasis is placed upon the candidate's success in teaching, supervision, administration, or publication.

For the requirements in detail, see the general catalogue.



## THE SCHOOL OF GOVERNMENT

### INTRODUCTORY

The purpose of the School of Government is to prepare students for public affairs, for various branches of the public service, both foreign and domestic, and for positions in business.

### ADMISSION

Admission to undergraduate work is based upon a Junior Certificate in Government from the Junior College of this University, or its equivalent.

Admission to work for the Master's degree is based upon a Bachelor's degree which includes the proper basic training for the degree sought. For instance, admission to work for the Master's degree with a major in Foreign Commerce is based upon a Bachelor's degree with training approximately equivalent to the Bachelor's degree with a major in Foreign Commerce.

### THE DEGREES

The degrees offered are Bachelor of Arts in Government and Master of Arts in Government. For a complete statement of the requirements for these degrees, see the announcement of the School of Government in the general catalogue.

#### THE DEGREE OF BACHELOR OF ARTS IN GOVERNMENT

The curricula leading to the Bachelor's degree are Public Affairs, Foreign Service, Foreign Commerce, Public Administration, Business Administration, Public Finance, and Public Accounting. The requirements of these curricula are set forth in the general catalogue.

#### THE DEGREE OF MASTER OF ARTS IN GOVERNMENT

For the Master's degree thirty semester-hours of work must be completed successfully. No part of the minimum requirement may be taken in any other institution. The curricula are in Public Affairs, Foreign Service, Foreign Commerce, Public Administration, Business Administration, Public Finance, and Public Accounting.

A student is formally recognized as a candidate for the Master's degree only when his application for candidacy has been approved by the Dean of the School of Government. Before being admitted to candidacy he must show a reading knowledge of at least one modern foreign language.

## THE DIVISION OF UNIVERSITY STUDENTS

### INTRODUCTORY

The Division of University Students was organized in 1930 in order to make the work of the University in its several divisions more fully accessible to mature students and to provide for the offering of special courses to meet special demands as they may arise from time to time. Students registered in this Division are designated "university" students, as distinguished from regularly matriculated undergraduate and graduate students.

### ADMISSION

Qualified students, not candidates for degrees in The George Washington University, who desire to pursue courses in the Summer Sessions, may be enrolled in the Division of University Students. In each case the approval of the instructor concerned must be obtained.

Men and women over twenty-one years of age may apply for admission as university students, to pursue courses for which they have had adequate preparation. In each case the approval of the instructor concerned must be obtained. Applicants for admission must present a complete statement of the work previously pursued, on the University form. Where a student is found unable to pursue with advantage a course for which he is registered, such student may be dropped from the rolls of that course upon the recommendation of the instructor and with the approval of the Dean.

In special instances, with the permission of the instructor, a person may be registered as an "auditor" in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

### UNIVERSITY STUDENTS IN THE LAW SCHOOL

A limited number of persons who cannot qualify as candidates for a degree in Law, but who are over twenty-five years of age and because of their maturity, educational training, and practical experience seem qualified to pursue the study of Law, may be admitted as university students upon the approval of the Faculty of the Law School.

Candidates for admission as university students in the Law School must file written applications, setting forth their qualifications in detail, and letters and certificates to prove the facts stated therein as to their education and experience. Work done by such university students will not be counted toward a degree.

## TRANSFER TO REGULAR STATUS

University students may be transferred, at their request, to other Colleges, Schools, and Divisions of the University only upon complying with the regulations of the specific Colleges, Schools, and Divisions as stated in the general catalogue.



## OTHER UNIVERSITY DIVISIONS

### THE GRADUATE COUNCIL

The Graduate Council offers work leading only to the degree of Doctor of Philosophy. Because the basis for work under the Graduate Council is primarily creative research, regular study in specific courses is considered quite incidental and is therefore not emphasized in connection with the curricula of the Summer Sessions. A student wishing to work under the disciplines of the Graduate Council will consult the Chairman of the Graduate Council for information concerning credentials and candidacy.

More complete general information concerning procedures and requirements for work with the Graduate Council may be found in the general catalogue of the University.

### THE SCHOOL OF ENGINEERING

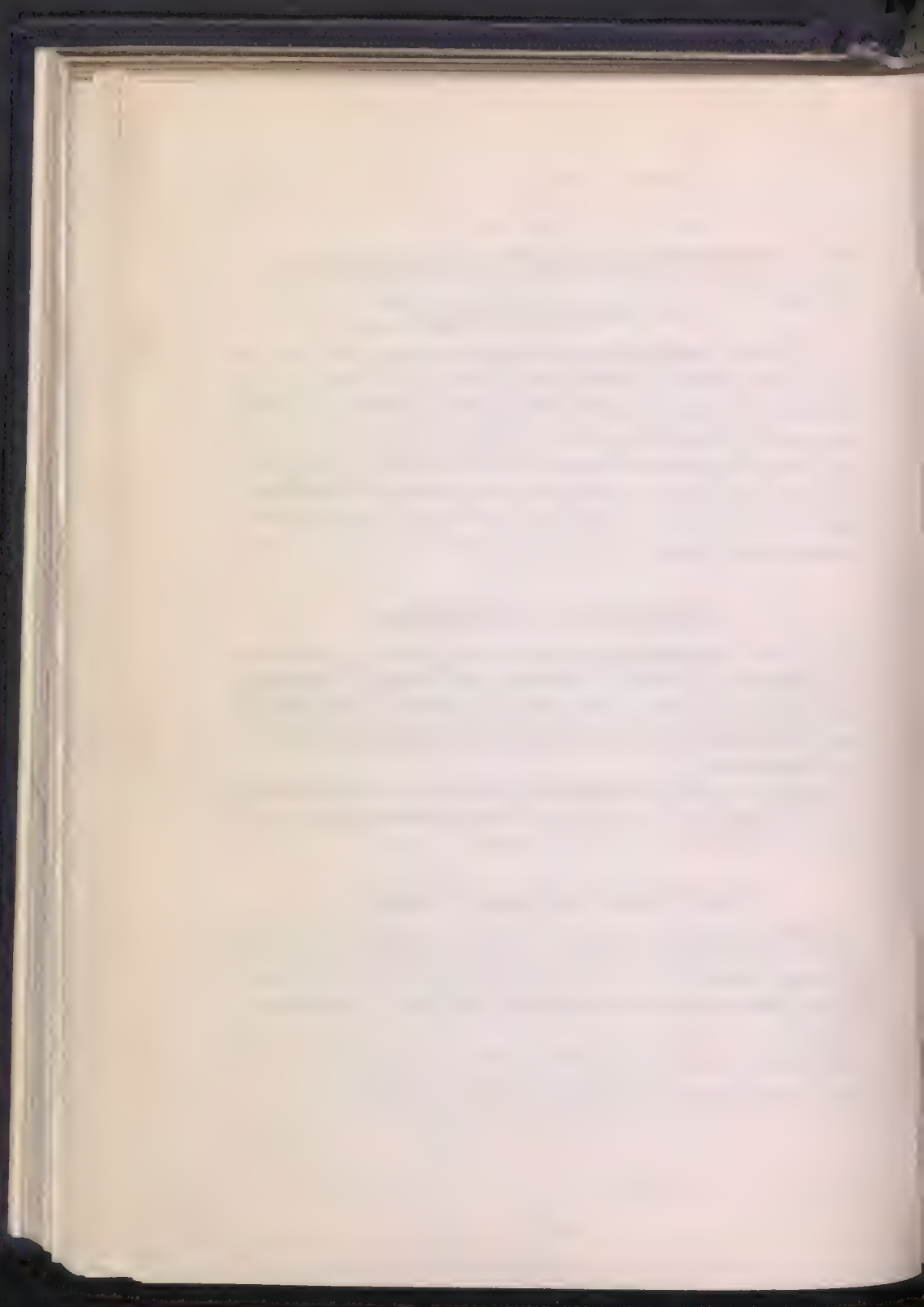
The School of Engineering will offer no courses in the Departments of Civil Engineering, Electrical Engineering, and Mechanical Engineering this summer. Undergraduate students in the School of Engineering will find an opportunity, however, to take other required courses and electives, such as Chemistry, Economics, English, Languages, Mathematics, Physics, and Political Science.

Students in the School of Engineering are urged to consult with Dean John R. Lapham and departmental advisers in planning to take required courses and electives in the Summer Sessions.

### THE DIVISION OF LIBRARY SCIENCE

The Division of Library Science will offer no courses in the Department of Library Science this summer. Students of Library Science will find an opportunity, however, to take other required courses and electives, such as History, Psychology, Statistics, etc., which may be credited toward the degree.

Students in the Division of Library Science are urged to consult with Director Alfred F. W. Schmidt and departmental advisers in planning to take required courses and electives in the Summer Sessions.



COURSES OF INSTRUCTION





## COURSES OF INSTRUCTION

Courses will be offered in the Junior College, Columbian College (the senior college), the Law School, the School of Education, the School of Government, and the Division of University Students. Students in the School of Engineering, the School of Pharmacy, and the Division of Library Science will have the opportunity to take many of their elective and required courses in the Junior College and Columbian College curricula.

The following courses offered in the Summer Sessions will satisfy the Junior College requirement in science for admission to Columbian College: Botany 5, Chemistry 11-12, Mathematics 19-20, Physics (6 hours), Statistics 101-2, Zoology 1-2.

### Law School Summer Sessions

First term begins June 13, ends July 25

Second term begins July 26, ends September 8

#### Nine weeks' term

Begins June 20, ends August 19

#### Six weeks' term

Begins June 27, ends August 5

### BOTANY

#### 5 *Field Botany* (6)

Griggs

Field trips to neighboring localities of botanical interest, with classroom study. Nine weeks' term; daily except Sat., 5.10 to 7 p.m., and Sat. afternoon. (Room: C-405.)

#### 211 *Research* (3)

Griggs

Laboratory investigation of special problems. Nine weeks' term; hours to be arranged.

### BUSINESS ADMINISTRATION

#### 51 *Principles of Accounting* (3)

Kennedy

Procedures of double-entry accounting. Nine weeks' term; daily except Sat., 11.30 a.m. (Room: D-306.)

#### 51-52 *Principles of Accounting* (3-3)

Kennedy

Procedures of double-entry accounting; accounting for partnerships and corporations; the valuation of assets. Second half begins July 20. Nine weeks' term; daily except Sat., 6.10 to 8 p.m. (Room: D-306.)

- 101 *Business Organization and Control* (3) Owens  
Simple and interrelated forms of business enterprise and their control by government. Nine weeks' term; daily except Sat., 6.10 p.m. (Room: D-307.)
- 102 *Business Management* (3) Owens  
Organization and management of a business, with particular reference to a manufacturing concern. Nine weeks' term; daily except Sat., 5.10 p.m. (Room: D-307.)
- 115 *Business Finance* (3) Burgess  
Survey of financial policies involved in new enterprises, and study of capital structures, promotion, earnings, surplus, reorganization, and governmental regulation. Nine weeks' term; daily except Sat., 5.10 p.m. (Room: D-305.)

## CHEMISTRY

- 11-12 *General Chemistry* (4-4) Van Evera and Naeser  
For students who are beginning the study of Chemistry. Students who have had high-school Chemistry may enter Chemistry 12 on July 20. Students taking Chemistry 11 must complete Chemistry 12 before credit is allowed. Material fee, \$9 for each half; breakage deposit, \$10. Nine weeks' term; daily except Sat., 8.30 a.m. to 1.20 p.m. (Room: Cor.-39.)
- 31 *Inorganic Qualitative Analysis* (4) Knowles  
Prerequisite: Chemistry 12. Required of all students of Engineering and Pharmacy, and recommended for premedical students. Material fee, \$9; breakage deposit, \$10. Nine weeks' term; daily except Sat., 9.30 a.m. to 12.20 p.m. (Room: Cor.-34.)
- 41-42 *Organic Chemistry* (4-4) Weatherby and Wrenn  
Prerequisite: Chemistry 12. This is a full year course, and students may not enter the second half without having had the first half; no credit will be given until both halves have been completed. Second half begins July 20. Material fee, \$12 for each half; breakage deposit, \$10. Nine weeks' term; daily except Sat., 8.30 a.m. to 1.20 p.m. (Room: Cor.-37.)
- 191-92 *History of Chemistry* (1-1) Weatherby  
Required of all Chemistry majors, and recommended for teachers of science. Six weeks' term; daily except Sat., 5.10 p.m. (Room: Cor.-37.)
- 295-96 *Research* (3-3) The Staff  
Research and thesis for the Master's degree. Nine weeks' term; hours and material fees to be arranged.



ECONOMICS

- 1-2 Introductory Economics (3-3)** Watson and Buchanan  
 Survey of the major economic institutions and problems in contemporary society. Second half begins July 20. Nine weeks' term.  
 Section A, daily except Sat., 9.30 to 11.20 a.m. (Room: Cor.-10.)  
 Section B, daily except Sat., 6.10 to 8 p.m. (Room: Cor.-10.)
- 122 The Federal Reserve System (3)** Burns  
 Its growth and function, together with major problems and policies. Nine weeks' term; daily except Sat., 5.10 p.m. (Room: D-303.)
- 127 Recent Problems in Public Finance (3)** Ecker-Racz  
 Critical analysis of recent trends in taxation, government expenditures, and the public debt. Nine weeks' term; daily except Sat., 7.30 a.m. (Room: D-305.)
- 177 Advanced Economic Theory (3)** Watson  
 The theory of supply and demand, with special attention to the newer aspects of imperfect competition. Nine weeks' term; daily except Sat., 6.10 p.m. (Room: D-305.)
- 275 Business Cycles: Theory and Problems (3)** Burns  
 Analysis of several types of current business-cycle theories. Nine weeks' term; 8.10 p.m., days to be arranged. (Room: D-307.)

EDUCATION

(Psychology 121, *Educational Psychology*, or the equivalent, is prerequisite for all courses in Education. Appropriate undergraduate courses are prerequisite for all seminars.

A folder containing further information concerning the program in Education will be mailed upon request.)

- 119 Leadership in Recreational Groups (2)** Sweet  
 For those working with recreational groups in connection with schools, playgrounds, Boys' Clubs, etc. Molding individuals through group life, organizing groups, building programs, evaluating results. Six weeks' term; daily except Sat., 7.30 a.m. (Room: D-201.)
- 143 Children's Literature (2)** Adams  
 Children's interests in literature, representative types of literary content—traditional and modern, guidance of children's reactions, creative expression. Six weeks' term; daily except Sat., 10.30 a.m. (Room: C-201.)

- 147 *Teaching of Reading* (2) Adams  
Reading motives, activities and goals, the development of specialized reading skills at various levels, phonetic analysis, recreational reading, care of individual needs. Six weeks' term; daily except Sat., 11.30 a.m. (Room: C-201.)
- 152 *Secondary Education: The Junior High School* (2) Fox  
Development, purposes, organization and administration, guidance, program of studies, extracurricular activities. Six weeks' term; daily except Sat., 7.30 a.m. (Room: C-203.)
- 172 *Teaching of Science* (2) Fox  
Objectives, selection and organization of subject matter, methods in the classroom and laboratory, measurement, texts, laboratory equipment. Six weeks' term; daily except Sat., 9.30 a.m. (Room: C-203.)
- 174 *The Social Studies* (2) Adams  
Function in building desirable social understanding, units of work, activities, types and sources of instructional materials. Assignments will be differentiated to provide for the needs of both elementary-school and junior-high-school teachers. Six weeks' term; daily except Sat., 8.30 a.m. (Room: C-201.)
- 214 *Seminar: Educational Origins* (3) French  
Recent movements in American education. Six weeks' term; daily except Sat., 9.30 a.m. (Room: C-202.)
- 219 *Seminar: Philosophy of Education* (3) Champlin  
Basic concepts, leading men and their systems. Six weeks' term; daily except Sat., 10.30 a.m. (Room: C-200.)
- 249 *Seminar: The Curriculum* (3) French  
Basic principles, outstanding achievements. Six weeks' term; daily except Sat., 8.30 a.m. (Room: C-202.)
- 251 *Seminar: Secondary Education* (3) Smith  
Principles, objectives, curriculum, and activities of the senior high school. Students will be given an opportunity to present any problems in which they are especially interested. Six weeks' term; daily except Sat., 7.30 a.m. (Room: C-201.)
- 279 *Seminar: Comparative Education* (3) Champlin  
The school systems of the leading European countries. Six weeks' term; daily except Sat., 11.30 a.m. (Room: C-200.)
- 285 *Seminar: Administration* (3) Fox  
Administrative problems affecting teachers, effective human relationships in administration, the control of public education

—local, State, and Federal. Six weeks' term; daily except Sat., 10.30 a.m. (Room: C-203.)

291-92 *Thesis* (3-3) Consultative Committee  
Program of research arranged with committee.

293 *Research Studies* (3) French  
Admission by permission of the instructor. Six weeks' term; hours to be arranged.

(See also Psychology 121, *Educational Psychology*; Psychology 133, *Educational Measurements*; Psychology 223, *Seminar: Psychology of Motivation, with special reference to Education*; Sociology 120, *Educational Sociology*.)

ENGLISH

1-2 *Freshman English* (3-3) Gibbon and Wilson  
Grammatical review, exercises in composition, and study and criticism of literary forms. Second half begins July 20. Nine weeks' term.

Section A, daily except Sat., 9.30 to 11.20 a.m. (Room: C-204.)

Section B, daily except Sat., 6.10 to 8 p.m. (Room: C-204.)

51 *Introduction to English Literature* (3) Smith  
First half. From the beginnings to about 1750. Nine weeks' term; daily except Sat., 8.30 a.m. (Room: D-103.)

52 *Introduction to English Literature* (3) Smith  
Second half. From about 1750 to 1900. Nine weeks' term; daily except Sat., 11.30 a.m. (Room: D-103.)

91 *Introduction to European Literature* (3) Shepard  
First half. Ancient and modern European drama; classical epic and literary criticism. Nine weeks' term; daily except Sat., 6.10 p.m. (Room: D-103.)

92 *Introduction to European Literature* (3) Shepard  
Second half. Medieval romance; ancient and modern philosophy; satiric and historical novel. Nine weeks' term; daily except Sat., 7.10 p.m. (Room: D-103.)

142 *The Neoclassical Movement* (3) Wilson  
Second half. Chief writers from Swift to Dr. Johnson. Nine weeks' term; daily except Sat., 6.10 p.m. (Room: D-304.)

152 *The Romantic Movement* (3) Smith  
Second half. Emphasis on Byron, Shelley, and Keats. Nine weeks' term; daily except Sat., 5.10 p.m. (Room: D-103.)



- 161 *Victorian Literature* (2) Gibbon  
Major prose writers from Carlyle to Huxley. Six weeks' term;  
daily except Sat., 9.30 a.m. (Room: D-304.)
- 174 *Chief American Romanticists* (3) Anderson  
Various aspects of romanticism in midnineteenth-century cul-  
ture. Nine weeks' term; daily except Sat., 6.10 p.m. (Room:  
D-207.)
- 176 *The American Novel* (3) Bolwell  
American fiction, including the short story, from its beginnings  
to the present day. Nine weeks' term; daily except Sat., 5.10  
p.m. (Room: D-207.)
- 178 *Modern American Poetry* (2) Anderson  
Contemporary writers and literary movements. Six weeks' term;  
daily except Sat., 10.30 a.m. (Room: D-207.)
- 183 *The English Drama before 1642* (3) Tupper  
From medieval religious plays through late-Elizabethan drama-  
tists. Nine weeks' term; daily except Sat., 6.10 p.m. (Room:  
D-302.)
- 193 *Introduction to the Study of Poetry* (2) Tupper  
The teaching and interpretation of poetry. Six weeks' term;  
daily except Sat., 8.30 a.m. (Room: D-302.)
- 235 *Seminar: Shakespeare* (3) Tupper  
Investigation of special problems. Nine weeks' term; 8.10 p.m.,  
days to be arranged. (Room: D-302.)
- 276 *Melville and Hawthorne* (3) Anderson  
Special studies for graduate students. Nine weeks' term;  
8.10 p.m., days to be arranged. (Room: D-208.)

## FRENCH

(See Romance Languages)

## GERMAN

- 1-2 *First-Year German* (3-3) Sehrt and Legner  
Essentials of grammar and translation of simple prose. Second  
half begins July 20. Nine weeks' term.  
Section A, daily except Sat., 9.30 to 11.20 a.m. (Room: C-205.)  
Section B, daily except Sat., 6.10 to 8 p.m. (Room: C-205.)
- 5-6 *Second-Year German* (3-3) Sehrt  
Composition and conversation; readings in prose and poetry.  
Second half begins July 20. Nine weeks' term; daily except  
Sat., 6.10 to 8 p.m. (Room: C-201.)

## HISTORY

- 39 *Development of European Civilization to 1789* (3) Kayser  
Nine weeks' term; daily except Sat., 11.30 a.m. (Room: D-105.)
- 40 *Development of European Civilization since 1789* (3) Ragatz  
Nine weeks' term; daily except Sat., 8.30 a.m. (Room: D-105.)
- 71 *Development of American Civilization to 1865* (3) Gray  
Nine weeks' term; daily except Sat., 5.10 p.m. (Room: D-105.)
- 71 *Development of American Civilization since 1865* (3) Merriman  
Nine weeks' term; daily except Sat., 6.10 p.m. (Room: D-105.)
- 120 *Intellectual Aspects of the Renaissance and Reformation* (3) Kayser  
Nine weeks' term; daily except Sat., 5.10 p.m. (Room: D-203.)
- 130 *The Historical Evolution of Modern Nationalism* (2) Kayser  
Six weeks' term; daily except Sat., 10.30 a.m. (Room: D-105.)
- 149 *The Contemporary World* (3) Ragatz  
Political, social, economic, and cultural developments of the post-war period. Nine weeks' term; daily except Sat., 7.30 a.m. (Room: D-105.)
- 176 *Representative Americans* (3) Gray  
A biographical approach to national history. Nine weeks' term; daily except Sat., 6.10 p.m. (Room: D-203.)
- 186 *Recent American Foreign Policy* (2) Merriman  
International relations of the United States since 1898. Six weeks' term; daily except Sat., 11.30 a.m. (Room: D-203.)
- 192 *Current History* (2) Kayser and Merriman  
Contemporary events in their world setting. Six weeks' term; daily except Sat., 9.30 a.m. (Room: D-203.)
- 243 *Proseminar in European History: Contemporary Dictatorships* (3) Ragatz  
Nine weeks' term; Tues. and Thurs., 8.10 p.m. (Room: D-208.)

## LAW

(First-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400.

A folder containing further information concerning the program in Law will be mailed upon request.)

## FIRST TERM

- 129-30 *Judicial Process* (4) Benson  
Benson and Fryer's Readings on the Study of Law and the Anglo-American Legal System. Arnold and James' Cases on Trials, Judgments, and Appeals. Daily except Sat., 5.10 to 7 p.m. (Room: Sto.-21.)
- 215-16 *Contracts II* (4) Moll  
Williston's Cases, 4th ed. Daily except Sat., 5.10 to 7 p.m. (Room: Sto.-10.)
- 315-16 *Conflict of Laws* (4) Van Vleck  
Cheatham, Dowling, and Goodrich's Cases. Daily except Sat., 5.10 to 7 p.m. (Room: Sto.-30.)
- 405-6 *Government Corporations* (4) McIntire  
Includes the law of municipal corporations and functional corporations as governmental agencies. Case book to be announced. Daily except Sat., 5.10 to 7 p.m. (Room: Sto.-22.)
- Symposium on Government Corporations*  
Offered in conjunction with Law 405-6; July 18 to July 22, inclusive. Special leaflet of information may be obtained from the Office of the Dean of the Law School.

## SECOND TERM

- 141-42 *Torts* (4) Ward  
Bohlen's Cases, 3d ed. Daily except Sat., 5.10 to 7 p.m. (Room: Sto.-21.)
- 217-18 *Domestic Relations* (4) Compton  
Jacobs' Cases, 1933 ed. Daily except Sat., 5.10 to 7 p.m. (Room: Sto.-10.)
- 303-4 *Administrative Law* (4) Davison  
Frankfurter and Davison's Cases, 2d ed. Daily except Sat., 5.10 to 7 p.m. (Room: Sto.-30.)
- 355-56 *Security Transactions* (4) Fryer  
Security interests in real and personal property; suretyship. Hanna's Cases on Security. Daily except Sat., 5.10 to 7 p.m. (Room: Sto.-22.)

## MATHEMATICS

- 12 *Plane Analytic Geometry* (3) Mears  
Prerequisite: Introductory College Mathematics. Nine weeks' term; daily except Sat., 5.10 p.m. (Room: D-202.)
- 19-20 *Differential and Integral Calculus* (3-3) Mears  
Prerequisite: Plane Analytic Geometry. Second half begins July 20. Nine weeks' term; daily except Sat., 6.10 to 8 p.m. (Room: D-202.)



PHILOSOPHY

- 103 *Principles of Philosophy* (2) Garnett  
A survey of the problems and theories of philosophy. Six weeks' term; daily except Sat., 8.30 a.m. (Room: D-205.)
- 132 *Ethics* (3) Garnett  
A survey and critical appraisal of the various theories of goodness in personal and social life. Nine weeks' term; daily except Sat., 6.10 p.m. (Room: D-205.)

PHYSICAL EDUCATION FOR MEN

(First term: June 20-July 29; second term: August 1-September 9.)

ACTIVITY COURSES

A maximum of one semester-hour in Physical Education for each term may be selected from the following activity courses. This credit will be accepted toward fulfillment of the four semester-hours in Physical Education which are required for graduation and which are compulsory for all freshman and sophomore men students.

- 1-2 *Freshman Physical Education* (1-1) The Staff  
Assignment for activities and hours to be arranged with the Physical Education Department. Second term begins Aug. 1. Towel fee, \$1.50 for each term. (Room: Gym.)
- 9-10 *Sophomore Physical Education* (1-1) The Staff  
Assignment for activities and hours to be arranged with the Physical Education Department. Second term begins Aug. 1. Towel fee, \$1.50 for each term. (Room: Gym.)

THEORETICAL COURSES

- 55-56 *Orientation in Physical Education and Methods in High-School Athletic Coaching* (2-2) Myers  
Introductory course. Emphasis placed on new conceptions, modern goals, common measures, and fundamental skills of Physical Education. Field instruction, lecture methods. Second term begins Aug. 1. Daily except Sat., 9.40 a.m. (Room: Lis.-31.)
- 103-4 *Teaching Techniques and Methods in Corrective Gymnastics and Tumbling Physical Education Activity* (2-2) Farrington  
Class organization, selection and progression of material, technique of teaching, floor and equipment management, providing for individual differences, training of student leaders, and methods in corrective and preventive exercises. Lectures, discussions, and practical floor work. Second term begins Aug. 1. Daily except Sat., 10.40 a.m. (Room: Lis.-31.)

- 106-7 *Administration of Physical Education* (2-2) Myers  
 Discussion of modern administrative methods, a unified administrative program, Physical Education plants, athletic fields, and equipment. Field trips to neighboring localities of recreational and athletic interest. Second term begins Aug. 1. Daily except Sat., 8.40 a.m. (Room: Lis.-31.)

(For further information, consult members of the Department of Physical Education for Men.)

#### PHYSICS

- 12 *Electricity and Magnetism* (3) Cheney  
 Prerequisite: Physics 3 or 11. Students who have credit for high-school Physics from an accredited high school may, with the permission of the Physics Department, omit this prerequisite. Material fee, \$4.50. Nine weeks' term; Mon., Wed., and Fri., 5.10 p.m., and Tues. and Thurs., 6.30 to 8.30 p.m. (Rooms: Lis.-14 and Lis.-11.)
- 13 *Mechanics, Sound, and Light* (3) Brown and Cheney  
 Prerequisite: Physics 3 or 11. Students who have credit for high-school Physics from an accredited high school may, with the permission of the Physics Department, omit this prerequisite. Material fee, \$4.50. Nine weeks' term; Mon., Wed., and Fri., 6.10 p.m., and Tues. and Thurs., 6.30 to 8.30 p.m. (Rooms: Lis.-14 and Lis.-11.)
- 14 *Introduction to Modern Physics* (2) Brown  
 Prerequisite: Physics 12 and 13. A student may take one of these prerequisites concurrently if he has credit for the other one. Six weeks' term; daily except Sat., 5.10 p.m. (Room: Lis.-23.)

#### POLITICAL SCIENCE

- 9 *The Government of the United States* (3) West  
 The Federal Government. Nine weeks' term; daily except Sat., 5.10 p.m. (Room: D-3.)
- 9-10 *The Government of the United States* (3-3) Tillema  
 Federal and State Government with an emphasis upon recent tendencies and changing relations between the Federal Government and the States. Second half begins July 20. Nine weeks' term; daily except Sat., 9.30 to 11.20 a.m. (Room: D-3.)
- 10 *State Government* (3) West  
 Nine weeks' term; daily except Sat., 6.10 p.m. (Room: D-3.)
- 127 *Commercial Law* (3) Tillema  
 Contracts, agency, bailments, and sales. Nine weeks' term; daily except Sat., 6.10 p.m. (Room: D-303.)

- 172 *International Politics* (2) Johnstone  
The forces which motivate the relations of nations. Six weeks' term; daily except Sat., 9.30 a.m. (Room: D-201.)
- 194 *The Far East* (2) Johnstone  
Far Eastern politics with emphasis on the post-war period. Six weeks' term; daily except Sat., 5.10 p.m. (Room: D-201.)
- 282 *Seminar: International Law and Relations* (2) Johnstone  
Six weeks' term; Tues. and Thurs., 8.10 p.m. (Room: C-102.)

## PSYCHOLOGY

(Psychology 1, *General Psychology*, is prerequisite for all other courses in Psychology.)

- 1 *General Psychology* (3) Hunt  
The fundamental principles underlying human behavior. Nine weeks' term.  
Section A, daily except Sat., 8.30 a.m. (Room: D-204.)  
Section B, daily except Sat., 5.10 p.m. (Room: D-204.)
- 2 *Applied Psychology* (3) Omwake  
The applications of Psychology in business, industry, medicine, law, athletics, education, and art. Nine weeks' term; daily except Sat., 6.10 p.m. (Room: D-204.)
- 115 *Abnormal Psychology* (3) Hunt  
The causes, diagnosis, and treatment of the various types of mental disorders, with clinics. Nine weeks' term; daily except Sat., 6.10 p.m. (Room: D-200.)
- 121 *Educational Psychology* (2) Dreese  
Individual differences and their educational significance, psychology of learning, special emphasis on adolescence. Opportunity to earn three semester-hours of credit may be arranged. Six weeks' term; daily except Sat., 8.30 a.m. (Room: D-207.)
- 133 *Educational Measurements* (2) Dreese  
The construction and use of the newer types of educational tests. Material fee, \$1.50. Six weeks' term; daily except Sat., 11.30 a.m. (Room: D-207.)
- 180 *Systematic Psychology* (3) Omwake  
A comparative and critical survey of the contemporary psychological schools and their backgrounds. Nine weeks' term; daily except Sat., 5.10 p.m. (Room: D-200.)
- 223 *Seminar: Psychology of Motivation* (3) Dreese  
With special reference to Education. Six weeks' term; daily except Sat., 9.30 a.m. (Room: D-207.)



## ROMANCE LANGUAGES

## FRENCH

- 1-2 *First-Year French* (3-3) Doyle  
Grammar, translation, pronunciation. Second half begins July 20. Nine weeks' term; daily except Sat., 6.10 to 8 p.m. (Room: C-203.)
- 5-6 *Second-Year French* (3-3) Protzman  
Reading of modern French; grammar review, oral practice. Second half begins July 20. Nine weeks' term; daily except Sat., 6.10 to 8 p.m. (Room: D-201.)

## SPANISH

- 1-2 *First-Year Spanish* (3-3) Alonso  
Grammar, translation, pronunciation. Second half begins July 20. Nine weeks' term; daily except Sat., 6.10 to 8 p.m. (Room: D-301.)
- 5-6 *Second-Year Spanish* (3-3) Corliss  
Reading of modern Spanish; grammar review; oral practice. Second half begins July 20. Nine weeks' term; daily except Sat., 6.10 to 8 p.m. (Room: D-102.)

## SOCIOLOGY

- 27 *Organization of Society* (3) Wells  
The origin and early development of culture; man's social nature; types of groups and social institutions; social processes; social change and social control. Nine weeks' term; daily except Sat., 7.30 a.m. (Room: D-205.)
- 120 *Educational Sociology* (2) Wells  
A study of the school as a social institution, with special emphasis upon its relation to the community and upon the socialization of the curriculum. Six weeks' term; daily except Sat., 9.30 a.m. (Room: D-205.)
- 126 *Urban Sociology* (3) Wells  
The origin and growth of cities; types of cities; their social structure, composition, functions, and problems; urban personalities and institutions; urbanization and social control; city planning. Nine weeks' term; daily except Sat., 5.10 p.m. (Room: D-205.)

SPANISH

(See Romance Languages)

STATISTICS

- 101-2 *Economic and Sociological Statistics* (3-3) Weida  
Prerequisite: at least one entrance unit in Algebra. Students desiring to register for one half only of this course must obtain permission from the instructor. Second half begins July 20. Material fee, \$3 for each half. Nine weeks' term; daily except Sat., 6.10 to 8 p.m. (Room: D-206.)
- 160 *Analysis of Variance* (3) Weida  
Prerequisite: at least one entrance unit in Algebra. Nine weeks' term; daily except Sat., 5.10 p.m. (Room: D-206.)

ZOOLOGY

- 1-2 *Introduction to Zoology* (3-3) Young  
Lectures and laboratory work introductory to zoological characters, the general principles of biology and evolution, and comparative morphology. Second half begins July 20. Material fee, \$4.50 for each half. Nine weeks' term; daily except Sat., 5.10 to 6 and 6.10 to 9 p.m. (Room: C-205.)
- 5 *Field Zoology* (3) Bartsch  
A field course covering the range of habitat afforded by our own locality, intended to acquaint the student with living animals in their natural surroundings. Problems in ecology. Six weeks' term; daily except Sat., 7 to 8.50 a.m., and Sat. afternoon, 1 to 6 p.m. (Room: C-303.)
- 54 *Mammalian Anatomy* (3) Young  
Prerequisite: Zoology 1-2. Material fee, \$4.50. Six weeks' term; daily except Sat., 6.10 to 7 and 7.10 to 9 p.m. (Room: C-303.)
- 135 *Field Ornithology* (3) Bartsch  
Interession course June 1-July 4, inclusive; daily, 7 to 8.50 a.m.; trip to the rookeries of the middle Atlantic coast, July 1-4, inclusive.
- 253 *Research* (3) The Staff  
Investigation of special problems. Nine weeks' term; hours to be arranged.

## SCHEDULE OF COURSES

For courses in Law and Physical Education for Men, consult department announcements pages 53-54 and pages 55-56.

Note seminars and research courses for which hours are to be arranged, listed under department announcements.

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### NINE WEEKS' TERM

June 20-August 19

#### 7.30-8.20 A.M.

Econ. 127, *Recent Problems in Public Finance* (3)

Hist. 149, *The Contemporary World* (3)

Soc. 27, *Organization of Society* (3)

#### 8.30-9.20 A.M.

Chem. 11-12, *General Chemistry* (4-4), until 1.20 p.m.

Chem. 41-42, *Organic Chemistry* (4-4), until 1.20 p.m.

Engl. 51, *Introduction to English Literature* (3)

Hist. 40, *Development of European Civilization since 1789* (3)

Psych. 1, *General Psychology* (3)

#### 9.30-10.20 A.M.

Chem. 11-12, *General Chemistry* (4-4), 8.30 a.m.-1.20 p.m.

Chem. 21, *Inorganic Qualitative Analysis* (4), 9.30 a.m.-12.20 p.m.

Chem. 41-42, *Organic Chemistry* (4-4), 8.30 a.m.-1.20 p.m.

Econ. 1-2, *Introductory Economics* (3-3), until 11.20 a.m.

Engl. 1-2, *Freshman English* (3-3), until 11.20 a.m.

German 1-2, *First-Year German* (3-3), until 11.20 a.m.

Pol. Sc. 9-10, *The Government of the United States* (3-3), until 11.20 a.m.

#### 10.30-11.20 A.M.

Chem. 11-12, *General Chemistry* (4-4), 8.30 a.m.-1.20 p.m.

Chem. 21, *Inorganic Qualitative Analysis* (4), 9.30 a.m.-12.20 p.m.

Chem. 41-42, *Organic Chemistry* (4-4), 8.30 a.m.-1.20 p.m.

Econ. 1-2, *Introductory Economics* (3-3), 9.30-11.20 a.m.

Engl. 1-2, *Freshman English* (3-3), 9.30-11.20 a.m.

German 1-2, *First-Year German* (3-3), 9.30-11.20 a.m.

Pol. Sc. 9-10, *The Government of the United States* (3-3), 9.30-11.20 a.m.



11.30 A.M.—12.20 P.M.

- Bus. Admin. 51, *Principles of Accounting* (3)  
 Chem. 11-12, *General Chemistry* (4-4), 8.30 a.m.—1.20 p.m.  
 Chem. 21, *Inorganic Qualitative Analysis* (4), 9.30 a.m.—12.20 p.m.  
 Chem. 41-42, *Organic Chemistry* (4-4), 8.30 a.m.—1.20 p.m.  
 Engl. 52, *Introduction to English Literature* (3)  
 Hist. 39, *Development of European Civilization to 1789* (3)

12.30—1.20 P.M.

- Chem. 11-12, *General Chemistry* (4-4), 8.30 a.m.—1.20 p.m.  
 Chem. 41-42, *Organic Chemistry* (4-4), 8.30 a.m.—1.20 p.m.

5.10—6.00 P.M.

- Botany 5, *Field Botany* (6), until 7 p.m.  
 Bus. Admin. 102, *Business Management* (3)  
 Bus. Admin. 115, *Business Finance* (3)  
 Econ. 122, *The Federal Reserve System* (3)  
 Engl. 152, *The Romantic Movement* (3)  
 Engl. 176, *The American Novel* (3)  
 Hist. 71, *Development of American Civilization to 1865* (3)  
 Hist. 120, *Intellectual Aspects of the Renaissance and Reformation* (3)  
 Math. 12, *Plane Analytic Geometry* (3)  
 Physics 12, *Electricity and Magnetism* (3), Tues. and Thurs., 6.30—8.30 p.m.  
 Pol. Sc. 9, *The Government of the United States* (3)  
 Psych. 1, *General Psychology* (3)  
 Psych. 180, *Systematic Psychology* (3)  
 Soc. 126, *Urban Sociology* (3)  
 Statistics 160, *Analysis of Variance* (3)  
 Zoology 1-2, *Introduction to Zoology* (3-3), until 9 p.m.

6.10—7.00 P.M.

- Botany 5, *Field Botany* (6), 5.10—7 p.m.  
 Bus. Admin. 51-52, *Principles of Accounting* (3-3), until 8 p.m.  
 Bus. Admin. 101, *Business Organization and Control* (3)  
 Econ. 1-2, *Introductory Economics* (3-3), until 8 p.m.  
 Econ. 177, *Advanced Economic Theory* (3)  
 Engl. 1-2, *Freshman English* (3-3), until 8 p.m.  
 Engl. 91, *Introduction to European Literature* (3)  
 Engl. 142, *The Neoclassical Movement* (3)  
 Engl. 174, *Chief American Romanticists* (3)  
 Engl. 183, *The English Drama before 1642* (3)

- French 1-2, *First-Year French* (3-3), until 8 p.m.  
 French 5-6, *Second-Year French* (3-3), until 8 p.m.  
 German 1-2, *First-Year German* (3-3), until 8 p.m.  
 German 5-6, *Second-Year German* (3-3), until 8 p.m.  
 Hist. 72, *Development of American Civilization since 1865* (3)  
 Hist. 176, *Representative Americans* (3)  
 Math. 19-20, *Differential and Integral Calculus* (3-3), until 8 p.m.  
 Philos. 132, *Ethics* (3)  
 Physics 12, *Electricity and Magnetism* (3), Tues. and Thurs., 6.30-8.30 p.m.  
 Physics 13, *Mechanics, Sound, and Light* (3), Tues. and Thurs., 6.30-8.30 p.m.  
 Pol. Sc. 10, *State Government* (3)  
 Pol. Sc. 127, *Commercial Law* (3)  
 Psych. 2, *Applied Psychology* (3)  
 Psych. 115, *Abnormal Psychology* (3)  
 Span. 1-2, *First-Year Spanish* (3-3), until 8 p.m.  
 Span. 5-6, *Second-Year Spanish* (3-3), until 8 p.m.  
 Statistics 101-2, *Economic and Sociological Statistics* (3-3), until 8 p.m.  
 Zoology 1-2, *Introduction to Zoology* (3-3), 5.10-9 p.m.

#### 7.10-8.00 P.M.

- Bus. Admin. 51-52, *Principles of Accounting* (3-3), 6.10-8 p.m.  
 Econ. 1-2, *Introductory Economics* (3-3), 6.10-8 p.m.  
 Engl. 1-2, *Freshman English* (3-3), 6.10-8 p.m.  
 Engl. 92, *Introduction to European Literature* (3)  
 French 1-2, *First-Year French* (3-3), 6.10-8 p.m.  
 French 5-6, *Second-Year French* (3-3), 6.10-8 p.m.  
 German 1-2, *First-Year German* (3-3), 6.10-8 p.m.  
 German 5-6, *Second-Year German* (3-3), 6.10-8 p.m.  
 Math. 19-20, *Differential and Integral Calculus* (3-3), 6.10-8 p.m.  
 Physics 12, *Electricity and Magnetism* (3), Tues. and Thurs., 6.30-8.30 p.m.  
 Physics 13, *Mechanics, Sound, and Light* (3), Tues. and Thurs., 6.30-8.30 p.m.  
 Span. 1-2, *First-Year Spanish* (3-3), 6.10-8 p.m.  
 Span. 5-6, *Second-Year Spanish* (3-3), 6.10-8 p.m.  
 Statistics 101-2, *Economic and Sociological Statistics* (3-3), 6.10-8 p.m.  
 Zoology 1-2, *Introduction to Zoology* (3-3), 5.10-9 p.m.

#### 8.10 P.M.

- Econ. 275, *Business Cycles: Theory and Problems* (3), days to be arranged  
 Engl. 235, *Seminar: Shakespeare* (3), days to be arranged

- Engl. 276, *Melville and Hawthorne* (3), days to be arranged  
 Hist. 243, *Proseminar in European History: Contemporary Dictatorships* (3), Tues. and Thurs.  
 Physics 12, *Electricity and Magnetism* (3), Tues. and Thurs., 6.30-8.30 p.m.  
 Physics 13, *Mechanics, Sound, and Light* (3), Tues. and Thurs., 6.30-8.30 p.m.  
 Zoology 1-2, *Introduction to Zoology* (3-3), 5.10-9 p.m.

SIX WEEKS' TERM

June 27—August 5

7.00 A.M.

- Zoology 5, *Field Zoology* (3), until 8.50 a.m.

7.30-8.20 A.M.

- Educ. 119, *Leadership in Recreational Groups* (2)  
 Educ. 152, *Secondary Education: The Junior High School* (2)  
 Educ. 251, *Seminar: Secondary Education* (3)  
 Zoology 5, *Field Zoology* (3), 7-8.50 a.m.

8.30-9.20 A.M.

- Educ. 174, *The Social Studies* (2)  
 Educ. 249, *Seminar: The Curriculum* (3)  
 Engl. 193, *Introduction to the Study of Poetry* (2)  
 Philos. 103, *Principles of Philosophy* (2)  
 Psych. 121, *Educational Psychology* (2)  
 Zoology 5, *Field Zoology* (3), 7-8.50 a.m.

9.30-10.20 A.M.

- Educ. 172, *Teaching of Science* (2)  
 Educ. 214, *Seminar: Educational Origins* (3)  
 Engl. 161, *Victorian Literature* (2)  
 Hist. 192, *Current History* (2)  
 Pol. Sc. 172, *International Politics* (2)  
 Psych. 223, *Seminar: Psychology of Motivation* (3)  
 Soc. 120, *Educational Sociology* (2)

10.30-11.20 A.M.

- Educ. 143, *Children's Literature* (2)  
 Educ. 219, *Seminar: Philosophy of Education* (3)  
 Educ. 285, *Seminar: Administration* (3)



Engl. 178, *Modern American Poetry* (2)

Hist. 130, *The Historical Evolution of Modern Nationalism* (2)

11.30 A.M.—12.20 P.M.

Educ. 147, *Teaching of Reading* (2)

Educ. 279, *Seminar: Comparative Education* (3)

Hist. 186, *Recent American Foreign Policy* (2)

Psych. 133, *Educational Measurements* (2)

5.10—6.00 P.M.

Chem. 191-92, *History of Chemistry* (1-1)

Physics 14, *Introduction to Modern Physics* (2)

Pol. Sc. 194, *The Far East* (2)

6.10—7.00 P.M.

Zoology 54, *Mammalian Anatomy* (3), until 9 p.m.

7.10—8.00 P.M.

Zoology 54, *Mammalian Anatomy* (3), 6.10-9 p.m.

8.10 P.M.

Pol. Sc. 282, *Seminar: International Law and Relations* (2), Tues. and Thurs.

Zoology 54, *Mammalian Anatomy* (3), 6.10-9 p.m.

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1938-39



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THE UNIVERSITY CALENDAR

## THE UNIVERSITY CALENDAR—Continued

Date	Day	Occasion
January 16-27.....	Monday to Friday, both dates inclusive	Preregistration period for the second semester
January 28-February 4.....	Saturday to Saturday, both dates inclusive	Midyear examination period
January 30.....	Monday .....	Last day for receiving theses of candidates for the degree of Master of Arts to be conferred in February
February 3.....	Friday.....	Scholastic-aptitude tests for en- tering freshmen
February 4.....	Saturday.....	Examinations for students who wish to qualify for advanced courses
February 8-9.....	Wednesday and Thurs- day	Registration period for the sec- ond semester
February 9.....	Thursday .....	Stated meeting of the Board of Trustees
February 10.....	Friday .....	Classes resumed for the second semester
February 11.....	Saturday .....	Foreign-language examinations for candidates for the degree of Master of Arts
February 22.....	Wednesday .....	Winter Convocation. Holiday
February 23.....	Thursday .....	Last day on which candidates may file thesis subjects for the degree of Master of Arts to be conferred in June
March 1.....	Wednesday .....	Last day for late registration for the second semester
March 9.....	Thursday .....	Applications for fellowships for 1939-40 should be filed
April 7-12.....	Friday to Wednes- day, both dates in- clusive	Stated meeting of the Board of Trustees
April 14.....	Friday .....	Easter recess
April 27.....	Thursday .....	Pan American Day. Special Convocation
		Last day for receiving theses of candidates for the degrees of Doctor of Philosophy and Doc- tor of Education to be con- ferred in June
		Last day on which candidates may file thesis subjects for the degrees of Doctor of Philoso- phy and Doctor of Education to be conferred the following February



THE UNIVERSITY CALENDAR—Continued

Date	Day	Occasion
May 5.....	Friday .....	Last day for applications for degrees and Junior Certificates to be conferred in June
May 6.....	Saturday .....	Foreign-language examinations for candidates for the degree of Master of Arts
May 19.....	Friday .....	Last day for receiving theses of candidates for the degree of Master of Arts and for the professional degrees in Engineering to be conferred in June
May 20.....	Saturday .....	Applications for scholarships for 1939-40 should be filed
May 24-June 10...	Wednesday to Saturday, both dates inclusive	Final examination period in the Law School
May 30.....	Tuesday .....	Memorial Day. Holiday
May 31-June 10...	Wednesday to Saturday, both dates inclusive	Final examination period in all Colleges, Schools, and Divisions except the Law School
June 1.....	Thursday .....	Annual meeting of the Board of Trustees
June 11.....	Sunday .....	Baccalaureate Sermon
June 14.....	Wednesday .....	Commencement
June 19.....	Monday .....	Instruction begins in the nine weeks' term in the Summer Sessions
June 26.....	Monday .....	Instruction begins in the first summer term of the Law School
July 4.....	Tuesday .....	Instruction begins in the six weeks' term in the Summer Sessions
July 31.....	Monday .....	Independence Day. Holiday
August 1.....	Tuesday .....	First summer term in the Law School ends
August 4.....	Friday .....	Second summer term in the Law School begins
August 18.....	Friday .....	Six weeks' summer term ends in all Colleges, Schools, and Divisions except the Law School
September 14.....	Thursday .....	Nine weeks' summer term ends in all Colleges, Schools, and Divisions except the Law School
September 23, 25-26	Saturday, Monday, and Tuesday	Second summer term in the Law School ends
		Registration period for the first semester of the academic year 1939-40



OFFICERS AND COMMITTEES  
OF THE UNIVERSITY





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The Board of Trustees of the University is composed of the President of the University, ex officio, and the following persons by election:

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\* Nominated by the alumni.

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\*Alfred Adams Wheat, A.B., LL.B., LL.D., District Court House.

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EDWARD ELLIOTT RICHARDSON, PH.D., M.D., <i>Professor Emeritus of Philosophy.</i>	1001 Alabama Ave SE.
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WILLIAM ALLEN WILBUR, A.M., LITT.D., LL.D., <i>Professor Emeritus of English.</i>	3816 Military Rd.

## ACTIVE LIST

THEODORE JUDSON ABERNETHY, B.S., M.D., <i>Clinical Instructor in Medicine.</i>	1411 20th St.
*EDWARD CAMPION ACHESON, A.B., <i>Professorial Lecturer in Economics.</i>	Dower House, McLean, Va.
ELLEN GRAY ACREE, A.B., <i>Research Associate in Bacteriology.</i>	2121 New York Ave.
JOSEPH QUINCY ADAMS, Ph.D., Litt.D., <i>Adjunct Professor of English.</i>	4519 Cathedral Ave.
MARY ALICE ADAMS, A.M., <i>Visiting Assistant Professor of Education.</i>	522 Lyndhurst St., Baltimore, Md.
ERRETT CYRIL ALBRITTON, A.B., M.D., <i>Professor of Physiology.</i>	5437 Nebraska Ave.
LEVI RUSSELL ALDEN, A.M., LL.B., <i>Adjunct Professor of Law.</i>	3840 Harrison St.
COLÓN ELOY ALFARO, <i>Professorial Lecturer on International Law.</i>	Mayflower Hotel.
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FRANK WASHINGTON BALLOU, Ph.D., <i>Adjunct Professor of Education.</i>	Franklin Administration Building.

\* On leave first semester 1938-39.



ARNOLD KENT BALLS, Ph.D., <i>Adjunct Professor of Enzymology.</i>	3406 Lowell St.
RALPH WALDO BARRIS, Ph.D., <i>Assistant Professor of Anatomy.</i>	1631 Euclid St.
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*Associate Professor of Physical Education for Men.* 3821 Beecher St.
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*Clinical Instructor in Dermatology and Syphilology.* 2029 Connecticut Ave.
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*Clinical Instructor in Oto-rhino-laryngology.* 3303 Woodley Rd.
- ALMA FOGELBERG, Ph.D.,  
*Instructor in Physiology.* 17 W. Irving St.,  
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- JOHN PORTER FOLEY, JR., Ph.D.,  
*Assistant Professor of Psychology.* 2109 I St.
- THEODORE CLAREMONT CHEN FONG, M.D.,  
*Clinical Instructor in Dermatology and Syphilology.* 1374 Somerset Pl.
- JAMES HAROLD FOX, A.M., Ed.D.,  
*Associate Professor of Education; Dean of the  
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*Professorial Lecturer on Industrial Pharmacy.* 3704 Livingston St.
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*Professorial Lecturer in Preventive Medicine.* U.S. Public Health Service.
- LESLIE CARL FRANK, C.E.,  
*Professorial Lecturer on Sanitary Science.* 11 Leland St.,  
Chevy Chase, Md.
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*Professor of Neurology.* 4501 Linnean Ave.
- \*WILLIAM CULLEN FRENCH, Ph.D.,  
*Professor of Education.* Gaithersburg, Md.
- †WILLIAM THOMAS FRYER, A.B., LL.B., J.D.,  
*Associate Professor of Law.* 7007 Clarendon Rd.,  
Edgemoor, Md.
- ELMER WINK FUGITT, M.D.,  
*Clinical Instructor in Medicine.* 200 Rhode Island Ave. NE.
- HOMER GIFFORD FULLER, Ph.B., M.D.,  
*Clinical Professor of Urology.* 1616 Belmont St.
- GEORGE GAMOW, Physics D.,  
*Professor of Theoretical Physics.* 3809 Military Rd.
- CHRISTOPHER BROWNE GARNETT, JR., Ph.D.,  
*Associate Professor of Philosophy.* 3600 N. Abingdon St.,  
Cherrydale, Va.
- MARTHA GIBBON, A.M.,  
*Assistant Professor of English.* 2123 I St.

\* On sabbatical leave second semester 1938-39.  
† On sabbatical leave first semester 1938-39.



RALPH EDWARD GIBSON, Ph.D., <i>Adjunct Professor of Chemistry.</i>	415 Cumberland Ave., Chevy Chase, Md.
MERVIN WILBUR GLOVER, M.D., <i>Associate University Physician.</i>	230 Rhode Island Ave. NE.
EDGAR LEONARD GOODMAN, M.D., M.M.S., <i>Clinical Instructor in Ophthalmology.</i>	4707 Connecticut Ave.
SPENCER GORDON, A.B., LL.B., <i>Adjunct Professor of Law.</i>	2305 California St.
LEA GENE GRAMLING, M.S., PHAR.G., <i>Assistant Professor of Pharmacology and Pharmacognosy.</i>	2029 G St.
WOOD GRAY, Ph.D., <i>Associate Professor of American History.</i>	2700 Q St.
STEWART MAXWELL GRAYSON, M.D., <i>Clinical Instructor in Surgery.</i>	5701 Kansas Ave.
EDGAR DEUCHER GRIFFIN, A.B., M.D., <i>Clinical Instructor in Psychiatry.</i>	108 E. Glenbrook Rd., Bethesda, Md.
ROBERT FISKE GRIGGS, Ph.D., <i>Professor of Botany.</i>	39 E. Bradley Lane, Chevy Chase, Md.
MABEL HARLAKENDEN GROSVENOR, A.B., M.D., <i>Clinical Instructor in Pediatrics.</i>	2010 R St.
ROBERT CUSTIS GRUBBS, M.S., M.D., <i>Instructor in Physiology.</i>	827 Madison St.
FRANCIS RANDALL HAGNER, M.D., <i>Professor of Urology.</i>	1824 19th St.
CUSTIS LEE HALL, M.D., <i>Clinical Professor of Surgery.</i>	3920 Harrison St.
GILBERT LEWIS HALL, A.B., LL.B., <i>Adjunct Professor of Law.</i>	1208 N. Wayne St., Clarendon, Va.
ROSCOE WILLIS HALL, Ph.B., M.D., <i>Clinical Professor of Psychiatry.</i>	St. Elizabeths Hospital.
CHARLES ROBERT LEE HALLEY, A.B., M.D., <i>Associate in Medicine.</i>	2002 R St.
HELEN TAYLOR HANFORD, A.M., <i>Associate in Physical Education for Women.</i>	7070 Bradley Blvd., Bethesda, Md.
JOHN HAROLD HANKS, Ph.D., <i>Associate Professor of Bacteriology.</i>	2705 N. Lexington St., Arlington, Va.
IRA BOWERS HANSEN, Ph.D., <i>Associate Professor of Zoology.</i>	141 Custer Rd., Bethesda, Md.

BERNARD LAURISTON HARDIN, JR., A.B., M.D., <i>Clinical Instructor in Medicine.</i>	2230 California St.
HAROLD FRIEND HARDING, Ph.D., <i>Associate Professor of Public Speaking.</i>	1719 I St.
ROBERT HOWE HARMON, A.B., M.D., <i>University Physician.</i>	3133 Connecticut Ave.
JOSEPH HARRIS, A.B., M.D., <i>Associate in Obstetrics and Gynecology.</i>	Hampton Courts Apts.
WILLIAM PRESTON HAYNES, A.B., M.D., <i>Associate in Obstetrics and Gynecology.</i>	3214 39th St.
A. FIFE HEATH, M.D., <i>Clinical Instructor in Medicine.</i>	1837 Monroe St. NE.
GEORGE NEELY HENNING, A.M., Litt.D., <i>Professor of Romance Languages.</i>	3720 McKinley St.
FRANK ARTEMAS HITCHCOCK, M.S., C.E., <i>Professor of Civil Engineering.</i>	3051 Idaho Ave.
CLAYTON HOWARD HIXSON, M.D., <i>Clinical Instructor in Obstetrics and Gynecology.</i>	604 E. Woodbine St., Chevy Chase, Md.
HERMAN SOLOMON HOFFMAN, A.B., M.D., <i>Associate in Medicine.</i>	1718 Rhode Island Ave.
JAMES IRVIN HOFFMAN, Ph.D., <i>Lecturer in Chemistry.</i>	2029 G St.
FRANK ADELBERT HORNADAY, M.S., M.D., <i>Assistant Professor of Medicine; Assistant Director of Admissions; Consulting University Physician.</i>	1612 Crittenden St.
ALEC HORWITZ, M.S., M.D., <i>Associate in Surgery.</i>	4715 16th St.
CHARLES PERRY HOWZE, M.D., <i>Associate in Urology.</i>	2230 California St.
THELMA HUNT, Ph.D., M.D., <i>Associate Professor of Psychology.</i>	3700 Massachusetts Ave.
CHARLES WILBUR HYDE, M.D., <i>Clinical Instructor in Anesthesia.</i>	2900 28th St.
JOHN IHLDER, B.S., <i>Lecturer on City Building.</i>	2811 P St.
OLIVER JOHN IRISH, A.M., <i>Instructor in Biochemistry.</i>	711 Van Buren St.

- GEORGE BAIN JENKINS, M.D.,  
*Professor of Anatomy.* 1536 Ingraham St.
- WILLIAM HERNDON JENKINS, M.D.,  
*Clinical Professor of Oto-rhino-laryngology.* 1703 Allison St.
- ROBERT JAMES JERMSTAD, A.B., B.S., M.D.,  
*Instructor in Pathology.* 5404 1st Pl.
- ARLIN REX JOHNSON, Ph.D.,  
*Lecturer on Accounting.* 2029 G St.
- ARTHUR FREDERICK JOHNSON, M.E.,  
*Professor of Mechanical Engineering.* 1021 Oakcrest Rd.,  
Alexandria, Va.
- DON R. JOHNSON, LL.B., M.D.,  
*Associate in Oto-rhino-laryngology.* 406 Battery Lane,  
Bethesda, Md.
- \*FRANCIS EDGAR JOHNSTON, Ph.D.,  
*Professor of Mathematics.* 1737 H St.
- WILLIAM CRANE JOHNSTONE, Jr., Ph.D.,  
*Professor of Political Science; Dean of the Junior  
College.* 1727 H St.
- CECIL KNIGHT JONES, Litt.B.,  
*Adjunct Professor of Spanish American Literature.* 9 Hesketh St.,  
Chevy Chase, Md.
- HELEN GLADYS KAIN, B.S., M.D.,  
*Clinical Instructor in Obstetrics and Gynecology.* 3700 Massachusetts Ave.
- HOWARD FRANCIS KANE, A.B., M.D.,  
*Professor of Obstetrics and Gynecology.* 4941 Glenbrook Rd.
- ELMER LOUIS KAYSER, Ph.D.,  
*Professor of European History; Dean of University  
Students; University Marshal.* 2921 34th St.
- EVANDER FRANK KELLY, M.D.,  
*Professorial Lecturer on Pharmaceutical  
Organizations.* 2029 G St.
- RALPH DALE KENNEDY, Ph.D.,  
*Associate Professor of Accounting and Business  
Administration.* 2528 N. Buchanan St.,  
Arlington, Va.
- HARRY HYLAND KERR, M.D.C.M.,  
*Clinical Professor of Surgery.* 1929 Q St.
- ALICE HEYL KIESSLING, A.B., M.D.,  
*Clinical Instructor in Psychiatry.* R. F. D.,  
East Falls Church, Va.
- JAMES ROBERT KIRKLAND, A.B., LL.M.,  
*Lecturer in Law.* 7440 Georgia Ave.
- FRANCES KIRKPATRICK, A.M.,  
*Associate Professor of Home Economics.* 2150 Pennsylvania Ave.

\* On sabbatical leave 1938-39.



DONALD CHENOWETH KLINE, B.Arch., <i>Assistant Professor of Art.</i>	5724 Chevy Chase Pkwy.
*DEWITT CLINTON KNOWLES, Jr., M.S., <i>Assistant Professor of Chemistry.</i>	4426 Reservoir Rd.
GEORGE MARTIN KOEHL, A.M., <i>Associate in Physics.</i>	2013 2d St. NE.
HOWARD HENRY KOSTER, M.S. in M.E., <i>Assistant Professor of Mechanical Engineering.</i>	2344 Nebraska Ave.
JACOB KOTZ, M.D., <i>Clinical Professor of Obstetrics and Gynecology.</i>	2824 Connecticut Ave.
WALTER BRAMBLE KUNZ, A.M., <i>Instructor in Chemistry.</i>	2017 Massachusetts Ave.
JOHN RAYMOND LAPHAM, M.S., <i>Professor of Civil Engineering; Dean of the School of Engineering.</i>	4800 Arkansas Ave.
JOHN FRANCIS LATIMER, Ph.D., <i>Assistant Professor of Classical Languages.</i>	4400 Volta Pl.
JOHN WILMER LATIMER, LL.B., <i>Professor of Law.</i>	843 Investment Building.
HELEN BENNETT LAWRENCE, A.M., <i>Assistant Professor of Physical Education for Women.</i>	4268 Vacation Lane. Arlington, Va.
GUY WHITMAN LEADBETTER, B.S., M.D., <i>Associate in Surgery.</i>	4437 Cathedral Ave.
CHESTER ELWOOD LEESE, Ph.D., <i>Associate Professor of Physiology.</i>	215 Kennedy St.
WOLFRAM KARL LEGNER, Ph.D., <i>Instructor in German.</i>	1121 New Hampshire Ave.
GEORGE PAUL LEMESHEWSKY, A.B., M.D., <i>Clinical Instructor in Medicine.</i>	1335 H St.
EDWARD LEWIS, M.D., <i>Assistant Professor of Pediatrics.</i>	2820 Connecticut Ave.
JOHN EDWARD LIND, M.D., <i>Clinical Professor of Psychiatry.</i>	St. Elizabeths Hospital.
WILLIAM MOORE LOMAN, A.M., <i>Lecturer in Psychology.</i>	13 Sherman Ave., Takoma Park, Md.
ALFRED GILBERT LUNDQUIST, A.M., <i>Associate in Physics.</i>	Keystone Apts.
JOHN HUGH LYONS, M.S., M.D., <i>Assistant Professor of Surgery.</i>	1644 21st St.

\* On leave 1938-39.

COLIN MACKENZIE MACKALL, Ph.D., <i>Professor of Chemistry.</i>	1858 Columbia Rd.
WILLIAM JOHNSTON MALLORY, A.M., M.D., <i>Professor of Medicine.</i>	1720 Connecticut Ave.
NICHOLAS ATHANASIOU MANDELOS, M.D., <i>Clinical Instructor in Medicine.</i>	1445 Ogden St.
WILLIAM BERRY MARBURY, M.D., <i>Clinical Professor of Surgery.</i>	1403 21st St.
CLOYD HECK MARVIN, Ph.D., LL.D., <i>President of the University.</i>	The University.
WILLIAM BEVERLEY MASON, M.D., <i>Professor of Oto-rhino-laryngology.</i>	1738 M St.
GEORGE WALTER MCCOY, M.D., <i>Professorial Lecturer in Preventive Medicine.</i>	2618 Garfield St.
JOHN ALBERT MCINTIRE, A.B., LL.B., <i>Associate Professor of Law.</i>	855 Venable Pl.
EARL BALDWIN MCKINLEY, A.B., M.D., <i>Professor of Bacteriology; Dean of the School of Medicine.</i>	2101 Connecticut Ave.
PRESTON ALEXANDER McLENDON, B.S., M.D., <i>Assistant Professor of Pediatrics.</i>	2002 R St.
HENRY JOHN RUSSELL McNITT, B.S., M.D., <i>Clinical Instructor in Obstetrics and Gynecology.</i>	3058 Porter St.
FLORENCE MARIE MEARS, Ph.D., <i>Associate Professor of Mathematics.</i>	7304 Hampden Lane, Bethesda, Md.
FRANK LAWRENCE MECHEM, Ph.B., LL.B., <i>Lecturer in Law.</i>	Kennedy-Warren Apts.
HOWARD MAXWELL MERRIMAN, Ph.D., <i>Assistant Professor of American History.</i>	1230 New Hampshire Ave.
CLARENCE ALTHA MILLER, LL.M., <i>Lecturer in Law.</i>	4416 Greenwich Pkwy.
GAIL LORENZ MILLER, Ph.D., <i>Instructor in Biochemistry.</i>	1920 S St.
JOHN MINOR, A.B., M.D., <i>Associate in Medicine.</i>	1629 21st St.
WILLIAM CLEMMER MITCHELL, Ph.D., <i>Instructor in Mathematics.</i>	28 Randolph Pl.
DANIEL BRUCE MOFFETT, A.B., M.D., <i>Associate Professor of Oto-rhino-laryngology.</i>	3900 Tunlaw Rd.
WALTER LEWIS MOLL, A.B., LL.B., S.J.D., <i>Professor of Law.</i>	2911 29th St.

WILLIAM ROSS MORRIS, M.D., <i>Clinical Instructor in Surgery.</i>	3705 Albemarle St.
EDITH ELIZABETH MORTENSEN, A.M., <i>Instructor in Zoology.</i>	136 Custer Rd., Bethesda, Md.
ARTHUR JAMES MOUROT, B.S., M.D., <i>Clinical Instructor in Surgery.</i>	2322 20th St.
JAMES OLIVER MURDOCK, Ph.B., LL.B., <i>Lecturer in Law.</i>	1824 23d St.
WALTER KENDALL MYERS, B.S., M.D., <i>Clinical Instructor in Medicine.</i>	3011 45th St.
WILLIAM HENRY MYERS, A.B., <i>Assistant Professor of Physical Education for Men.</i>	1609 K St.
CHARLES RUDOLPH NAESER, Ph.D., <i>Assistant Professor of Chemistry.</i>	1907 K St.
ESTHER ALSYLVIA NATHANSON, A.B., M.D., <i>Clinical Instructor in Obstetrics and Gynecology.</i>	1752 Lanier Pl.
JULIUS SALEM NEVIASER, A.B., M.D., <i>Clinical Instructor in Surgery.</i>	708 E. Leland St., Chevy Chase, Md.
MARGARET MARY NICHOLSON, A.B., M.D., <i>Associate in Pediatrics.</i>	1000 Maryland Ave. NE.
AARON NIMETZ, A.B., M.D., <i>Clinical Instructor in Pediatrics.</i>	702 Farragut St.
GEORGE NORDLINGER, A.B., M.D., <i>Associate in Obstetrics and Gynecology.</i>	1735 New Hampshire Ave.
BERNARD NOTES, M.D., <i>Clinical Instructor in Obstetrics and Gynecology.</i>	2900 Connecticut Ave.
JOEL NORTON NOVICK, M.D., M.S.C., <i>Clinical Instructor in Oto-rhino-laryngology.</i>	4730 Illinois Ave.
ROGER O'DONNELL, Jr., M.D., <i>Clinical Instructor in Obstetrics and Gynecology.</i>	3701 Massachusetts Ave.
THOMAS ALVIN O'HALLORAN, B.S. in E.E., <i>Associate in Electrical Engineering.</i>	924 N. Irving St., Arlington, Va.
JOSEPH CARL OLEINIK, M.S., <i>Associate in Civil Engineering.</i>	4529 44th St.
ROBERT OLESEN, M.D., <i>Professorial Lecturer in Preventive Medicine.</i>	5709 Chevy Chase Pkwy.
KATHARINE TAIT OMWAKE, Ph.D., <i>Visiting Assistant Professor of Psychology.</i>	Agnes Scott College, Decatur, Ga.
SAUL CHESTERFIELD OPPENHEIM, A.M., J.D., S.J.D., <i>Associate Professor of Law.</i>	2121 New York Ave.



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GILBERT OTTENBERG, A.M., M.D., <i>Clinical Instructor in Urology.</i>	1415 Holly St.
WINFRED OVERHOLSER, A.B., M.D., <i>Professor of Psychiatry.</i>	St. Elizabeths Hospital.
*RICHARD NORMAN OWENS, Ph.D., C.P.A., <i>Professor of Accounting and Business Administration.</i>	3113 Key Blvd., Arlington, Va.
HOWARD POPE PARKER, M.D., <i>Clinical Instructor in Obstetrics and Gynecology.</i>	3133 Connecticut Ave.
KATHERINE ELIZABETH PARKER, A.M., M.D., <i>Clinical Instructor in Obstetrics and Gynecology.</i>	2900 Connecticut Ave.
MAUDE NELSON PARKER, <i>Lecturer in Physical Education for Women.</i>	4805 Langdrum Lane, Chevy Chase, Md.
LELAND WILBUR PARR, Ph.D., <i>Professor of Bacteriology.</i>	4447 Volta Pl.
PHILIP OSCAR PELLAND, M.D., <i>Clinical Instructor in Surgery.</i>	3331 18th St.
BERNATH EUGENE PHILLIPS, A.M., <i>Instructor in Physical Education for Men.</i>	Park Central Apts.
†JAMES EBENEZER PIXLEE, B.S., <i>Professor of Physical Education for Men.</i>	Westchester Apts.
MAURICE PROTAS, A.B., M.D., <i>Associate in Medicine.</i>	4000 Cathedral Ave.
MERLE IRVING PROTZMAN, A.M., <i>Associate Professor of Romance Languages.</i>	2500 S. Eads St., Aurora Hills, Va.
PAUL STIRLING PUTZKI, M.D., <i>Clinical Professor of Surgery.</i>	2015 Q St.
LUIS QUINTANILLA, Ph.B., L.-ES-L., <i>Associate in Romance Languages.</i>	1629 Columbia Rd.
LOWELL JOSEPH RAGATZ, Ph.D., <i>Professor of European History.</i>	5715 Midwood Rd., Bethesda, Md.
ELIZABETH MAPELSDEN RAMSEY, A.B., M.D., <i>Associate in Pathology.</i>	2540 Massachusetts Ave.
HERBERT PERCY RAMSEY, A.B., M.D., <i>Assistant Professor of Obstetrics and Gynecology.</i>	1343 Otis Pl.

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ERNEST FERGUSON RANDALL, A.M., <i>Lecturer on Accounting.</i>	1028 Connecticut Ave.
JOHN ALTON REED, A.B., M.D., <i>Associate in Medicine.</i>	3309 35th St.
FREDERICK AUGUST REUTER, M.D., <i>Clinical Professor of Urology.</i>	3118 New Mexico Ave.
WINIFRED RICHMOND, Ph.D., <i>Clinical Instructor in Psychiatry.</i>	St. Elizabeths Hospital.
ARCH LOCKHART RIDDICK, A.B., M.D., <i>Clinical Professor of Surgery.</i>	2900 Glover Drive.
HENRY GODDARD ROBERTS, A.M., <i>Assistant Professor of Public Speaking.</i>	1709 H St.
NATHAN ROBERTSON, A.B., <i>Lecturer in Journalism.</i>	2029 G St.
ALDEN FRANKLIN ROE, Sc.D., <i>Instructor in Bacteriology.</i>	211 Willow Ave., Takoma Park, Md.
JOSEPH HYRAM ROE, Ph.D., <i>Professor of Biochemistry.</i>	1352 Jefferson St.
GRETCHEN LOUISA ROGERS, A.M., <i>Instructor in German.</i>	2100 I St.
JAMES ALFRED ROLLS, A.B., M.D., <i>Clinical Instructor in Pediatrics.</i>	4904 Georgia Ave.
JOHN KERR ROSE, A.B., <i>Research Associate in Education.</i>	1462 Belmont St.
GEORGE BYRON ROTH, A.B., M.D., <i>Professor of Pharmacology.</i>	3814 T St.
WILLIAM CARL RUEDIGER, Ph.D., <i>Professor of Education; Provost of the University.</i>	2836 28th St.
WILLIAM WARREN SAGER, M.S., M.D., <i>Assistant Professor of Surgery.</i>	4428 Edmunds St.
SHIO SAKANISHI, Ph.D., <i>Research Associate in Political Science.</i>	Library of Congress.
LEROY LEE SAWYER, JR., A.B., M.D., <i>Assistant Professor of Oto-rhino-laryngology.</i>	4911 Quebec St.
ROYD RAY SAYERS, A.M., M.D., <i>Professorial Lecturer on Industrial Hygiene.</i>	607 Oronoco St., Alexandria, Va.
HERBERT HERMANN SCHOENFELD, M.D., <i>Assistant Professor of Surgery.</i>	4332 Hawthorne St.

CHARLES AURELIUS SCHUTZ, A.B., M.D., <i>Assistant Professor of Pediatrics.</i>	1802 Park Rd.
RAYMOND JOHN SEEGER, Ph.D., <i>Associate Professor of Physics.</i>	4550 Connecticut Ave.
EDWARD HENRY SEHRT, Ph.D., <i>Professor of German.</i>	1844 Columbia Rd.
GUSTAV SEIDLER, Ph.D., <i>Professorial Lecturer in Economics.</i>	4311 Cathedral Ave.
HYMAN DAVID SHAPIRO, M.D., <i>Associate in Neurology.</i>	4218 16th St.
*ERNEST SEWALL SHEPARD, A.M., <i>Assistant Professor of English.</i>	3267 N St.
ERNEST ALFRED WATSON SHEPPARD, M.D.C.M., <i>Associate Professor of Ophthalmology.</i>	4931 Brandywine St.
SAMUEL ALEXANDER SILK, PHAR.G., M.D., <i>Clinical Instructor in Psychiatry.</i>	St. Elizabeths Hospital.
ALEXANDER SIMON, A.B., M.D., <i>Clinical Instructor in Neurology.</i>	1335 H St.
CHARLES AUGUSTUS SIMPSON, M.D., <i>Professor of Dermatology and Syphilology.</i>	2101 Connecticut Ave.
GEORGE VICTOR SIMPSON, M.D., <i>Assistant Professor of Ophthalmology.</i>	1715 Hoban Rd.
NATHAN NORMAN SMILER, M.D., <i>Clinical Instructor in Surgery.</i>	1835 16th St.
AUDLEY LAWRENCE SMITH, Ph.D., <i>Associate Professor of English.</i>	4430 Volta Pl.
FRANK SMITH, A.M., <i>Associate in English.</i>	622 Kenyon St.
HARVEY ARTHUR SMITH, Ph.D., <i>Lecturer in Education.</i>	4216 Jenifer St.
LUTHER HENRY SNYDER, A.B., M.D., <i>Instructor in Pathology.</i>	5124 Chevy Chase Pkwy.
HECTOR GALLOWAY SPAULDING, B.S., LL.B., S.J.D., <i>Professor of Law.</i>	1423 Madison St.
FRANCIS GEORGE SPEIDEL, M.D., <i>Clinical Instructor in Anesthesia; Associate University Physician.</i>	221 Rittenhouse St.

\* On sabbatical leave second semester 1938-39.



ROSCOE ROY SPENCER, A.B., M.D., <i>Associate Professor of Hygiene and Preventive Medicine.</i>	3917 Oliver St., Chevy Chase, Md.
GEORGE WINCHESTER STONE, JR., A.M., <i>Assistant Professor of English.</i>	1832 Biltmore St.
HAROLD GRIFFITH SUTTON, M.S., <i>Professor of Finance; Director of Admissions.</i>	105 W. Underwood St., Chevy Chase, Md.
LOYD HALL SUTTON, B.S., LL.B., <i>Adjunct Professor of Law.</i>	5601 Western Ave.
LENNIG SWEET, Ph.D., <i>Lecturer in Education.</i>	U. S. Social Security Board.
RALPH EDWIN TARBETT, B.S., <i>Professorial Lecturer on Sanitary Science.</i>	407 Carroll Ave., Takoma Park, Md.
JAMES HENRY TAYLOR, Ph.D., <i>Professor of Mathematics.</i>	138 Custer Rd., Bethesda, Md.
EDWARD TELLER, Ph.D., <i>Professor of Physics.</i>	2610 Garfield St.
ALFRED PEMBROKE THOM, A.B., M.D., <i>Clinical Instructor in Medicine.</i>	1910 Kalorama Rd.
WILLIAM RAYMOND THOMAS, M.D., <i>Associate in Obstetrics and Gynecology.</i>	5433 Kansas Ave.
RICHARD KNIGHT THOMPSON, D.D.S., <i>Clinical Instructor in Dental Surgery.</i>	4843 Woodway Lane.
THOMAS CARLTON THOMPSON, B.S., M.D., <i>Associate Professor of Urology.</i>	2032 16th St.
LYMAN BROOKE TIBBETS, Ph.D., M.D., <i>Clinical Instructor in Oto-rhino-laryngology.</i>	6520 Barnaby St.
JOHN ALBERT TILLEMA, Ph.D., LL.M., S.J.D., <i>Associate Professor of Political Science.</i>	1723 N. Barton St., Arlington, Va.
ELIJAH WHITE TITUS, Ph.D., M.D., <i>Clinical Professor of Obstetrics and Gynecology.</i>	3459 Macomb St.
KATHRYN MILDRED TOWNE, A.M., <i>Assistant Professor of Home Economics.</i>	2150 Pennsylvania Ave.
WALTER LEWIS TREADWAY, M.D., <i>Professorial Lecturer in Preventive Medicine.</i>	Manor Club, R.F.D. 4, Rockville, Md.
FRED SALISBURY TUPPER, Ph.D., <i>Assistant Professor of English.</i>	1916 G St.
JENNY EMSLEY TURNBULL, A.M., <i>Instructor in Physical Education for Women.</i>	1393 Sheridan St.

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| AGNES KERR TWEEDIE, A.B., Ed.M.,<br><i>Associate in Education.</i>   | Bellevue Hotel.                                   |
| HARRIET ELIZABETH TWOMBLY, A.B., M.D.,<br><i>Clinical Instructor in Psychiatry.</i>                                | St. Elizabeths Hospital.                          |
| BENJAMIN DOUGLASS VAN EVERA, Ph.D.,<br><i>Professor of Chemistry.</i>  | 401 23d St.                                       |
| MAURICE HART VAN HORN, Ph.D.,<br><i>Instructor in Chemistry.</i>   | 1440 Chapin St.                                   |
| WILLIAM CABELL VAN VLECK, A.B., LL.B.,<br>S.J.D.,<br><i>Professor of Law; Dean of the Law School.</i>              | 4120 Harrison St.                                 |
| EDWARD BRIGHT VEDDER, A.M., M.D., Sc.D.,<br><i>Professor of Experimental Medicine.</i>                             | 1424 Van Buren St.                                |
| RAYMOND ALOYSIUS VONDERLEHR, M.D.,<br><i>Professorial Lecturer in Preventive Medicine.</i>                         | 1862 Mintwood Pl.                                 |
| EDGAR STOVER WALKER, B.S. IN C.E.,<br><i>Associate in Civil Engineering.</i>                                       | 3805 Legation St.                                 |
| CHESTER CHARLES WARD, B.S., LL.M.,<br><i>Assistant Professor of Law.</i>   | Chastleton Hotel.                                 |
| ESTELLA FORD WARNER, M.D.,<br><i>Professorial Lecturer on Child Hygiene.</i>                                       | 212 S. Pitt St.,<br>Alexandria, Va.               |
| DONALD STEVENSON WATSON, Ph.D.,<br><i>Assistant Professor of Economics.</i>  | 1631 Euclid St.                                   |
| JAMES WINSTON WATTS, M.D.,<br><i>Associate Professor of Neurosurgery.</i>  | 5534 Nevada Ave.                                  |
| LEROY SAMUEL WEATHERBY, Ph.D.,<br><i>Visiting Professor of Chemistry.</i>  | U. of Southern California,<br>Los Angeles, Calif. |
| FRANK MARK WEIDA, Ph.D.,<br><i>Professor of Statistics.</i>  | 7130 Hampden Lane,<br>Bethesda, Md.               |
| EUGEN WEISZ,<br><i>Lecturer and Critic in Art.</i>   | Baileys Cross Roads,<br>Alexandria, Va.           |
| GEORGE LOUIS WELLER, JR., A.B., M.D.,<br><i>Clinical Instructor in Medicine.</i>                                   | 2929 Cathedral Ave.                               |
| CARL DOUGLAS WELLS, Ph.D.,<br><i>Assistant Professor of Sociology.</i>   | 1931 Kenyon St.                                   |
| WILLIAM WELLING WERNTZ, A.B., LL.B.,<br><i>Lecturer on Accounting.</i>   | 1215 Mohawk Lane,<br>Bethesda, Md.                |
| WARREN REED WEST, Ph.D.,<br><i>Professor of Political Science; Assistant Dean of<br/>the School of Government.</i> | 1321 Spring Rd.                                   |
| CHARLES STANLEY WHITE, M.D.,<br><i>Professor of Surgery.</i>   | 1801 I St.  |

WILFORD LENFESTEY WHITE, M.B.A., D.C.S., <i>Professorial Lecturer on Marketing.</i>	3900 Cathedral Ave.
WILLIAM CHARLES WHITE, M.B., M.D., <i>Professorial Lecturer on Tuberculosis.</i>	Cosmos Club.
ALVA CURTIS WILGUS, Ph.D., <i>Associate Professor of Hispanic American History.</i>	3706 33d Pl.
LOUIS LAVAL WILLIAMS, JR., M.D., <i>Professorial Lecturer in Preventive Medicine.</i>	105 E. Lenox St., Chevy Chase, Md.
MYRTA DUTTON WILLIAMS, A.B., B.F.A., <i>Associate in Art.</i>	5717 33d St.
CHARLES OWENS WILSON, Ph.D., <i>Assistant Professor of Pharmaceutical Chemistry.</i>	229 G St.
SAMUEL NATHANIEL WRENN, Ph.D., <i>Assistant Professor of Chemistry.</i>	1736 G St.
WILLARD HAYES YEAGER, A.M., <i>Deputy Professor of Public Speaking.</i>	1604 44th St.
LAWSON EDWIN YOCUM, Ph.D., <i>Associate Professor of Botany.</i>	4509 Western Ave.
DONNELL BROOKS YOUNG, Ph.D., <i>Professor of Zoology.</i>	7128 Hampden Lane, Bethesda, Md.
WILLIAM GLENN YOUNG, M.D., <i>Clinical Instructor in Urology.</i>	2908 45th St.

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## ASSISTANTS IN INSTRUCTION

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WALTER ERNEST CLARK, B.S., <i>Sanders Fellow in Chemistry.</i>	2029 G St.
RALPH BENSON HOULIHAN, B.S., <i>Fellow in Bacteriology.</i>	1213 L St.
VINCENT CLEMENT JONES, A.B., <i>Sanders Fellow in History.</i>	2029 G St.
CHARLES FREDERICK MEYER, B.S., <i>Fellow in Physics.</i>	2019 N St.



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JAY SCHENK, M.S., <i>Fellow in Biochemistry.</i>	1335 H St.
FRANCES LEE WESTFALL, A.B., <i>Fellow in Physics.</i>	1308 Massachusetts Ave.
HENRY WALLACE WITCOVER, A.M., <i>Sanders Fellow in Economics.</i>	1410 Hamilton St.

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CHARLES LOUIS CRITCHFIELD, A.M., <i>Fellow in Theoretical Physics.</i>	1606 A St. NE.
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CHARLES IRVING ROSENBERG, A.M., <i>Research Assistant in Experimental Medicine.</i>	5100 7th St.
JOHN LEWIS WOOD, Ph.D., <i>Research Assistant in Biochemistry.</i>	1539 I St.

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JOHN LAWRENCE AVERY, B.S., <i>Laboratory Assistant in Biology.</i>	4111 13th Pl. NE.
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EUGENIA GALTSOFF, <i>Laboratory Assistant in Zoology.</i>	2707 Adams Mill Rd.
MARIAN WOOD KIES, B.S., <i>Technician, Department of Biochemistry.</i>	4708 3d Pl.
WILLIAM ROBERT LONG, <i>Technician, Department of Physiology.</i>	2737 Devonshire Pl.
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*Technician, Department of Pathology.*

3951 31st St.,  
Mt. Rainier, Md.

CAYETANO C. NAGAC, A.B.,  
*Technician, Departments of Pathology and  
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1911 Pennsylvania Ave.

EDGAR HOWARD PARSONS,  
*Technical Assistant in Physics.*

1308 Massachusetts Ave.

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Betty Hill Reavis, A.M., *Assistant Librarian, Social Science Library.*  
Isabella Frances Young, A.B., *Assistant Librarian, Medical Library.*  
Mason Tolman, A.B., B.S. in L.S., *Assistant Librarian, General Library.*  
Anne Von Ammon, *Assistant in the Physical Science Library.*  
Mary Louise Smith, B.S., *Assistant in the Social Science Library.*  
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Catherine Breen, *Secretary to the Assistant Dean of the School of Medicine.*

Josephine McK. Green, *Stenographer.*

Nancy Kengla, A.B., *Stenographer.*

THE UNIVERSITY





## HISTORY AND ORGANIZATION

### HISTORY

The idea of a university located in the Capital of the Nation was sponsored by George Washington, who during his public life urged the establishment of such an institution and who in his will left fifty shares of stock in the Potomac (Canal) Company for the endowment of a university to be established in the District of Columbia "to which the youth of fortune and talents from all parts thereof might be sent for the completion of their Education in all the branches of polite literature;—in arts and Sciences,—in acquiring knowledge in the principles of Politics & good Government".

In furtherance of that hope and project of the first President of the United States, this University, founded as Columbian College and now named The George Washington University, was established. The stock which General Washington willed toward such an institution became valueless owing to the failure of the canal properties, and it was necessary for "the College" established in the District of Columbia to obtain funds from other sources.

In 1819 the Reverend Luther Rice, a Baptist missionary, formed an association to buy land for the use of a college in the city of Washington. With General Washington's idea in mind, John Quincy Adams, Secretary of State of the United States; William H. Crawford, Secretary of the Treasury; John C. Calhoun, Secretary of War; William Wirt, Attorney General; and Return J. Meigs, Postmaster General, became patrons of the new college and, together with thirty-two members of Congress, contributed to a fund raised for the purchase of the land and the development of the work.

From this fund a tract of approximately forty-seven acres, "extending about one-half mile northwest of Boundary Street (Florida Avenue) between 14th and 15th Streets", was purchased, and Columbian College in the District of Columbia, a nonsectarian institution, under the distinguished favor of James Monroe, President of the United States, and his Cabinet, was chartered by an act of Congress of February 9, 1821.

By 1822 the main building was completed sufficiently to use. Dr. William Staughton was elected first President of the institution. Two years later, when the first Commencement was held on December 15, 1824, President Monroe, John Quincy Adams, John C. Calhoun, Henry Clay, and the Marquis de Lafayette headed the eminent company attending the exercises.

The School of Medicine, established in 1821, was formally opened in 1825 and has been in continuous operation since that time. The Law School, organized in 1826, discontinued the following year, was reestablished in 1865. It is the oldest law school in Washington.

By an act of Congress of March 3, 1873, the name of the college was changed to "Columbian University", in recognition of the enlarged scope of the institution. The following year the institution was moved from its first location on "College Hill", now Columbia Heights, to the new University Hall built for it at Fifteenth and H Streets. Near-by buildings accommodated the School of Medicine.

By an act of Congress of January 23, 1904, the University was removed from the denominational control under which it had operated from 1899 and was provided with a self-perpetuating Board of Trustees empowered to change its name. In accordance with this act, the title "The George Washington University" was adopted in the same year.

Subsequently all the Colleges, Schools, and Divisions of the University except the School of Medicine, which is situated on H Street between Thirteenth and Fourteenth Streets NW., were brought together at the present location on or immediately surrounding the city block bounded by Twentieth, Twenty-first, G, and H Streets NW.

In 1930 a new plan of academic organization was effected, resembling in principle the master-apprentice relation of the old guild system. The University as it is now organized consists of the Junior College, comprising the work of the freshman and sophomore years; a senior college, known as "Columbian College", which awards the Bachelor's and Master's degrees; the Graduate Council; the professional Schools and Divisions; the Division of University Students; the Inter-American Center; and the Summer Sessions.

#### ACADEMIC STATUS

The George Washington University is on the approved list of the Association of American Universities, the standard accrediting body for the United States. This fact not only assures to students the academic standards of this accrediting body, but is important also to those who desire to transfer credits from one institution to another.

The University is also accredited by its regional accrediting agency, the Middle States Association of Colleges and Secondary Schools, and is on the approved list of the American Association of University Women.

The Law School is a charter member of the Association of American Law Schools and is approved by the Council of Legal Education of the American Bar Association. The School of Medicine is a member of the Association of American Medical Colleges, is one of the medical colleges which have been designated continuously as "class A" by the American



Medical Association, and is accredited for all its work by the Combined (Royal) Medical Examining Boards in England.

#### LOCATION

The George Washington University is located in the heart of the city of Washington, a short distance from the Potomac River and the Mall. Within a few blocks are the White House and the offices of many of the departments of the Government, including the Department of State, the Department of the Treasury, the Department of War, the Department of Justice, the Department of the Navy, the Department of the Interior, the Department of Agriculture, the Department of Commerce, and the Department of Labor. The Corcoran Gallery of Art, the Pan American Union Building, and the National Academy of Sciences are also near by, and the Capitol and the Library of Congress can be reached by streetcar in twenty minutes from any of the University buildings.

#### GOVERNMENT

The government and general educational management of The George Washington University are vested in a self-perpetuating Board of Trustees, with the President of the University as member *ex officio*. The members of the Board are named for a period of three years and are divided into three classes. The members of one class are elected at each annual meeting to fill the places of the members whose terms of office expire. Two members of each class are nominated by the Alumni Association. The charter provides that "Persons of every religious denomination shall be capable of being elected Trustees."

#### ENDOWMENT

The endowment of The George Washington University, not including the value of buildings, grounds, and equipment, is \$2,608,532.46.

#### THE COLLEGES, SCHOOLS, AND DIVISIONS

The George Washington University offers courses in thirteen Colleges, Schools, and Divisions, as follows: the Junior College; Columbian College, the senior college of letters and sciences; the Graduate Council; the School of Medicine; the Law School; the School of Engineering; the School of Pharmacy; the School of Education; the School of Government; the Division of University Students; the Division of Library Science; the Inter-American Center; and the Summer Sessions.

#### INSTRUCTIONAL ORGANIZATION

The instructional organization of Columbian College and the Graduate Council is contained in the divisions. The divisional and departmental



officers administer the educational requirements for students majoring within the divisions.

The divisions are as follows: (1) *the Division of Languages and Literatures*, which comprises the Departments of Classical Languages and Literatures, English, Germanic Languages and Literatures, and Romance Languages and Literatures; (2) *the Division of Mathematics and the Physical Sciences*, which comprises the Departments of Biochemistry, Chemistry, Mathematics, Pharmacology, Physics, and Statistics; (3) *the Division of the Natural Sciences*, which comprises the Departments of Anatomy, Bacteriology, Biology, Botany, Geology, Neurology, Pathology, Physiology, Psychology, and Zoology; (4) *the Division of the Social Sciences*, which comprises the Departments of Business Administration, Economics, Education, History, Journalism, Law, Philosophy, Political Science, Public Speaking, and Sociology.

## EDUCATIONAL FACILITIES

### BUILDINGS

Buildings, grounds, and equipment are valued at approximately \$4,500,000.

The buildings of the Junior College, Columbian College, the Graduate Council, the Law School, the School of Engineering, the School of Pharmacy, the School of Education, the School of Government, the Division of University Students, and the Division of Library Science are grouped in the vicinity of Twenty-first and G Streets NW. The School of Medicine, the University Hospital, and the Dispensary are situated at Fourteenth and H Streets NW. The buildings of the University are as follows:

Art Studio, 2131 G Street. Offices, studios, and library of the Department of Art.

Corcoran Hall, 725 Twenty-first Street. Named in honor of the late William W. Corcoran, benefactor of the University, President of the Corporation, and a member of the Board of Trustees from 1869 to 1888. Business offices of the University; offices of the School of Pharmacy; the Physical Science Library; the Chemistry and Pharmacy laboratories; classrooms.

Faculty Club House, 714 Twenty-first Street.

Gymnasium, 2010-12 H Street. Offices of the Department of Physical Education for Men and of the Director of Men's Athletics.

Hall of Government, 710 Twenty-first Street. The gift of Mrs. Henry Alvah Strong, Trustee of the University. Offices of the School of Government; offices of the Departments of Economics, History, and Political Science.

Hospital and Dispensary, 1339 H Street.

International House, 2114 H Street. Offices of the Adviser to Students from Foreign Countries and the Director of the Inter-American Center; club rooms.

Lisner Hall, 2023 G Street. Named in honor of Abram Lisner, benefactor of the University and member of the Board of Trustees. The General Library; office of the Director of the Division of Library Science; Faculty offices; the Electrical Engineering, Geology, and Physics laboratories.

Mechanical Engineering Laboratory, 735 Twenty-first Street. Engineering testing laboratories, general laboratories, drafting rooms, and classrooms.

Office of the President, 2003 G Street.

School of Medicine, 1335 H Street. Offices of the Staff of the School of Medicine; Anatomy, Bacteriology, Biochemistry, Histology and Embryology, Pathology, Pharmacology, and Physiology laboratories; the Medical Library; lecture rooms; classrooms; students' rooms.

Sorority Hall, 2129 G Street. Apartments of Pi Beta Phi, Sigma Kappa, Alpha Delta Pi, Delta Zeta, Zeta Tau Alpha, Alpha Delta Theta, and Kappa Kappa Gamma Sororities.

Stockton Hall, 720 Twentieth Street. Named in honor of the late Rear Admiral Charles Herbert Stockton, President of the University from 1910 to 1918. Offices, library, and lecture halls of the Law School.

Strong Residence Hall for Women, 620 Twenty-first Street. Named in honor of the donor, Mrs. Henry Alvah Strong.

Woodhull Building, 2033 G Street. Named in honor of the late General Maxwell Van Zandt Woodhull, Trustee of the University and donor of the building. Offices of the Director of Women's Personnel Guidance, the Alumni Secretary, and the Director of the Press Bureau; the Placement Office; University Women's Club.

Building A, 2026 G Street. Offices of the Departments of Classical Languages, Germanic Languages, and Romance Languages.

Building B, 2024 G Street. Laboratories and classrooms of the Department of Home Economics.

Building C, 2029 G Street. Offices of the Registrar, the Director of Admissions, the Dean of the Junior College, and the Dean of Columbian College; offices and laboratories of the Departments of Biology, Botany, and Zoology; the Natural Science Library; the Student Club; classrooms.

Building D, 2013 G Street. Office of the Dean of University Students; the Social Science Library; offices of the Departments of Business Administration, Philosophy, Psychology, Public Speaking, Sociology, and Statistics; classrooms.

Building F, 700 Twentieth Street. Offices of the Provost and the Dean of the Summer Sessions; the School of Education.

Building G, 712 Twentieth Street. Offices of the University Physician for Women and of the Department of English.

Building H, 714-16 Twentieth Street. Offices and locker rooms of the Department of Physical Education for Women.

Building I, 2024-26 H Street. Offices of the School of Engineering and of the Department of Mathematics.

#### THE UNIVERSITY LIBRARY

The University Library, which comprises the General Library, the various divisional libraries, the Medical Library, and the Law Library, contains more than 113,000 volumes.

The General Library includes, in addition to the general collection, the library of the late Professor Richard Heinzel, of the University of Vienna, which contains 7,200 books and pamphlets on Germanic philology and literature and cognate branches; the library of the late Professor Curt Wachsmuth, of the University of Leipzig, which contains 7,900 books and pamphlets on Greek and Roman literature, archeology, and history; the Mount Vernon Alcove, which contains 4,000 volumes on political history, international law, and the social sciences; a representative collection of Spanish American books, the gift of the governments of Hispanic America; the Chauncey Mitchell Depew Public Speaking



Library of approximately 500 volumes, the gift of Mrs. Chauncey M. Depew; and the collection of the Department of Art, which contains over 2,000 volumes, mainly on architecture, and the Russell Sturgis collection of 7,500 mounted photographs. About 1,000 of the last-named volumes constitute a collection made available by the American Institute of Architects, to whom the collection is always accessible.

#### OTHER LIBRARY FACILITIES

Students have access also to the Library of Congress; the Public Library of the District of Columbia and its branches; the Library of the Carnegie Endowment for International Peace; the Library of the Pan American Union; the Library of the Bureau of Railway Economics; the Library of the United States Department of Agriculture, with its scientific departmental collections; the Library of the United States Office of Education; the Army Medical Library; the Library of the Smithsonian Institution; and many of the other great special collections of the Government departments.

#### GOVERNMENTAL INSTITUTIONS ACCESSIBLE TO STUDENTS

In order to promote research and the diffusion of knowledge, the Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

*Resolved by the Senate and House of Representatives of the United States of America, in Congress assembled, That the facilities for research and illustration in the following and any other Governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:*

- One. Of the Library of Congress.
- Two. Of the National Museum.
- Three. Of the Patent Office.
- Four. Of the Bureau of Education.
- Five. Of the Bureau of Ethnology.
- Six. Of the Army Medical Museum.
- Seven. Of the Department of Agriculture.
- Eight. Of the Fish Commission.
- Nine. Of the Botanic Gardens.
- Ten. Of the Coast and Geodetic Survey.
- Eleven. Of the Geological Survey.
- Twelve. Of the Naval Observatory.



## HOURS OF INSTRUCTION

There are both morning and late-afternoon sections in most courses of instruction, and many other courses are given in the morning and in the late afternoon in alternate years; thus students may take work during the forenoon and early afternoon or in the period between 5.10 and 7 P.M., according to their convenience. By taking the late-afternoon, or the late-afternoon and summer, courses and by extending the time of study beyond the customary four years, a student able to give only part time to college work may complete a curriculum and obtain a degree.

The courses of instruction, with the hours when the courses are offered, are listed in alphabetical order, beginning on page 201.

## ADMISSION

All departments of the University accept men and women.

Students may enter any College, School, or Division of the University except the School of Medicine and the Law School at the beginning of either semester or either of the summer terms. Entrance to the School of Medicine is permitted only at the beginning of the first semester of the academic year. Entrance to the Law School is permitted at the beginning of either semester and at the beginning of the first summer term. *Timely inquiry helps to avoid difficulties in meeting entrance requirements.*

### GENERAL ADMISSION REQUIREMENTS

The following factors are considered in determining the eligibility of an applicant for admission:

1. The adequacy of previous academic work as preparation for the course of study now contemplated. This includes the amount and quality of work and the standing of the institution in which it was done.
2. The aptitude of the student if bent upon study for a profession.
3. The character of the student.

The University reserves the right to refuse admission to any student whose previous work has been of such grade as to create doubt of his ability to pursue college work successfully, or who for any other reason would not be a desirable student.

### APPLICATION FOR ADMISSION

A student desiring admission should obtain from the Office of the Director of Admissions an application blank which he should fill out completely and return to the Office of the Director of Admissions. To insure prompt action, applications should be filed not later than July 1 for the first semester, January 1 for the second semester, and May 1 for all Summer Sessions.

*An applicant from a secondary school* should request his high-school principal to mail directly to the Office of the Director of Admissions a transcript of his secondary-school record, which should be recorded on the blank provided by the University. An applicant for admission to the premedical curriculum or to the School of Medicine should request a separate record from each junior and senior high school attended.

*An applicant for advanced standing* who has previously attended an institution of higher learning should request the registrar of that

institution to mail directly to the Office of the Director of Admissions a transcript of his record. Except for the premedical student, the transcript form of the college attended is usually accepted. If he has attended more than one such institution he must request the registrar of each institution to send to the Office of the Director of Admissions a transcript of his record, *even though credits were not earned*, together with an honorable dismissal from the institution last attended.

### METHODS OF ADMISSION

#### FROM SECONDARY SCHOOLS

Applicants from secondary schools may be admitted by certificate or examination.

##### BY CERTIFICATE

A certificate of graduation with a minimum of fifteen "units"\* from an accredited secondary school and the recommendation from the principal of the secondary school that the applicant is prepared to undertake college work will be accepted subject to the following conditions:

(1) If the school is accredited by the regional accrediting association, the student must have attained a rank not lower than the fourth fifth of his class.

(2) If the school is not listed by the regional accrediting association, but has been accredited by the State accrediting agency, the student shall be required to have attained a rank in the upper two fifths of his class. The Committee on Admission and Advanced Standing may review cases of students in the third or fourth fifth and, when such action is warranted by evidence of progress in the last two years of work, may permit such students to take a special aptitude test, from the results of which the committee will determine the eligibility or ineligibility of these students.

##### BY COLLEGE ENTRANCE BOARD EXAMINATIONS

An applicant for admission who furnishes a certificate of graduation from an unaccredited secondary school shall take the examinations offered by the College Entrance Examination Board. Such applicants must satisfactorily pass these examinations in not less than the prescribed fifteen units, including, for curricula other than the premedical curriculum, subjects from each of the following fields: English, foreign languages, Mathematics, and Science. The exact number of units in each of these fields must be approved by the Director of Admissions.

An applicant for admission who, though a graduate of an accredited secondary school, presents a certificate not acceptable in quality may

\* A unit represents a year's study in a secondary-school subject, including in the aggregate not less than 120 sixty-minute periods of prepared classroom work.



seek to qualify through passing satisfactorily College Entrance Board examinations in subjects prescribed by the University.

The examinations of the College Entrance Examination Board are held each spring in Washington as well as in other centers. These examinations will be given in Washington at The George Washington University June 18-25, inclusive, and September 19-23, inclusive, 1938. Applications for the June examinations should be addressed to the College Entrance Examination Board, 431 West 117th Street, New York City; applications for the September examinations should be addressed to the University.

Students planning to take College Entrance Board examinations should obtain the definitions of requirements in subjects as published by the board.

#### FROM HIGHER INSTITUTIONS

An applicant for advanced standing is admitted upon the presentation of satisfactory credentials from the institutions of higher learning previously attended. The student must be in good standing as to scholarship and conduct, and must be eligible to return to the previously attended institutions in the semester for which he or she seeks admission to The George Washington University.

If the transcript of record from such an institution includes the record of his secondary-school work, it is not necessary for the applicant to have forwarded a separate record directly from the principal of the secondary school, except in the case of an applicant for admission to the School of Medicine. High-school work is considered only as fulfilling entrance requirements; it is never credited toward advanced standing.

Properly certified courses of study taken in accredited colleges and universities may, under the rules of the College, School, or Division concerned, be credited toward the requirements of an appropriate curriculum in that College, School, or Division, and applied toward a degree at this University. Course-credits must represent a quality of work above the passing grade of the institution where they were earned in order to be eligible for consideration toward advanced standing. Certain courses completed with satisfactory grade at another college or university may not count at The George Washington University toward a particular degree representing largely required courses.

#### ENTRANCE REQUIREMENTS

##### THE JUNIOR COLLEGE

An applicant for admission to the Junior College may qualify by presenting an acceptable certificate of graduation from an accredited secondary school, or by passing satisfactorily the College Entrance

Board examinations in secondary-school subjects selected with the approval of the Director of Admissions. (See "Methods of Admission".)

*Distribution of Units for All Curricula except Premedical.*—Except for admission to the premedical curriculum, certification by the principal that the student has satisfied all curriculum requirements of the school will be accepted in lieu of any prescribed distribution of units. Attention is called, however, to the necessity of completing stated prerequisite studies during the secondary-school period for admission to certain curricula. For a statement of the foreign-language requirements, see page 99.

*Distribution of Units for the Premedical Curriculum.*—The several State medical boards govern the granting of licenses to practice; hence their requirements as to high-school credits must be met exactly. A high-school record from *each* high school attended (including junior high schools) must be filed. The fifteen units required must include three in English, two in one foreign language, one in Algebra, one in Geometry, one in History, and one in Science. Eleven of the units offered must be in the above subjects. No candidate can be accepted with a condition in secondary-school work. (Should a student be admitted with a clear record to other than the premedical curriculum and complete college work acceptable toward that other curriculum, and then desire to enter premedical work, a deficiency in his secondary-school work would invalidate all college work previously taken. The deficiency would have to be cleared before proceeding with college courses that would apply toward the premedical-college requirements.)

#### THE SCHOOL OF MEDICINE

Graduation from the Junior College of this institution or attainment of junior standing in another college or university does not automatically admit to the School of Medicine. (For complete information concerning the admission requirements for the School of Medicine, see pages 134-35.)

#### THE LAW SCHOOL

Candidates for admission must have had conferred upon them the degree of Bachelor of Arts or an equivalent degree by an accredited college or university.

(For complete information concerning the admission requirements for the Law School, see pages 143-45.)

#### THE SCHOOL OF ENGINEERING

The School of Engineering admits from high school on certificate as described above under the heading "By certificate". Twelve of the fifteen

units required for entrance must be distributed as follows: three in English, two in one foreign language, two in Algebra, one in Plane Geometry, one half in Solid Geometry, one half in Plane Trigonometry, one in History, one in Physics, and one in Chemistry. A graduate of an approved high school who does not offer for admission the particular subjects required for the Engineering curriculum, but who does present not less than fifteen acceptable units, may be admitted on condition, if such deficiency in the distribution of units does not exceed two units.

**COLUMBIAN COLLEGE (THE SENIOR COLLEGE) AND THE PROFESSIONAL SCHOOLS AND DIVISIONS (EXCEPT MEDICINE, LAW, AND ENGINEERING)**

Two years of Junior College work leading to the Junior Certificate, or the lower-division work in institutions not organized on the junior-senior-college plan, following a specified curriculum, meet the minimum requirements of Columbian College or of the professional School (except Medicine, Law, and Engineering) to which admission is sought. In addition, however, scholarship requirements for admission may be set somewhat higher than those for the Junior Certificate. Thus a selective process of choosing the most promising students may be employed. (Complete information concerning admission requirements may be found in the announcements of the various professional Schools and Divisions.)

**CLASSIFICATION OF STUDENTS**

**REGULAR STUDENTS**

Regular students are those who have met the entrance requirements for candidacy and are registered for certificates or degrees.

**UNIVERSITY STUDENTS**

Persons of mature age, as specified in the rules of the Division of University Students, may be admitted to that Division to pursue courses for which they have had adequate preparation. In special instances, with the permission of the instructor, a person may register as an auditor in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance. (See the announcement of the Division of University Students, pages 189-91.)

Students may obtain additional information concerning curricula, courses offered, entrance requirements, or admission procedure from the Office of the Director of Admissions, 2029 G Street NW., Washington, D.C.



## REGISTRATION

Before a student may be admitted to registration he must have satisfied the Office of the Director of Admissions that he is qualified for entrance to the University. (See "Admission", pages 53-57.)

Registration is for the semester unless otherwise indicated on the registration paper. No registration is accepted for less than a semester or one summer term.

A student may not register concurrently in The George Washington University and another institution without the permission of the Dean or Director of the College, School, or Division in which he is registered in The George Washington University. Allowance of credit for work done concurrently will be at the discretion of the appropriate Committee on Admission and Advanced Standing.

### TIME AND PLACE OF REGISTRATION

Registration for the first semester will be conducted on September 24, 26, and 27, 1938. Registration for the second semester will be conducted on February 8 and 9, 1939. Registration for all Colleges, Schools, and Divisions of the University except the Law School will be conducted in Corcoran Hall, 725 Twenty-first Street NW., from 9 A.M. to 8 P.M. Registration for the Law School will be conducted in Stockton Hall, 720 Twentieth Street NW., from 9 A.M. to 8 P.M.

### REGISTRATION PROCEDURE

Instructions for registration will be issued to each student at the time of registration. A student who has previously matriculated in the University, but who has not been in attendance during the semester prior to registration, should file an application for readmission in advance of registration.

### LATE REGISTRATION

For registration after September 27 in the first semester, and after February 9 in the second semester, a late-registration fee of \$5 will be charged. In all courses, registration for credit closes on October 11 for the first semester, and on February 23 for the second semester.

### CHANGES IN REGISTRATION AND WITHDRAWALS

A student may not change or drop courses or change his status to that of auditor except with the permission of the Dean or Director of the

College, School, or Division in which he is registered, upon the presentation of adequate reasons for such change. (See "Withdrawal from Courses", page 79.) Changes from one section to another of the same course may be made at any time with the permission of the Dean or Director of the College, School, or Division concerned.

A student desiring to change his major subject should make application to his Dean or Director. In making such change all requirements specified in the course of study to which the change is made must be satisfied before graduation.

A student desiring to transfer from one College, School, or Division to another should make application to the Director of Admissions. Such change may be made only with the approval of the Deans or Directors concerned.

A student who is obliged to withdraw from the University during the semester must immediately report in person or in writing to the Dean or Director of the College, School, or Division in which he is registered. No permission to withdraw from the University will be given to a student who has not a clear financial record. (See "Fees and Financial Regulations", pages 60-64.)

*A student is liable for all charges for courses for which he has registered unless changes have been made with the approval of the Dean or Director, as stated above. Reporting the dropping of a course to an instructor does not effect its discontinuance.*

## FEES AND FINANCIAL REGULATIONS

By authorization of the Board of Trustees, the following fees have been adopted, effective at the beginning of the academic year 1938-39:

### UNIVERSITY FEE

For each semester or for any part thereof.....	\$8.00
For the Summer Sessions.....	4.00
For auditors and for extension students, for each registration*.....	2.00

### TUITION FEES

In all undergraduate Colleges, Schools, and Divisions, for each semester-hour .....	8.00
In the School of Medicine, per annum†.....	534.00
In the Law School, for each semester-hour.....	8.00
In the graduate departments, for each semester-hour taken by students other than candidates for a Doctor's degree.....	8.00
For candidates for the degree of Doctor of Philosophy: For work leading to and including the Council Fellowship examination§ .....	240.00
For work leading to and including the final examinations§.....	240.00
For candidates for the degree of Doctor of Education: For work leading to and including the general examination§.....	240.00
For work leading to and including the final examinations§.....	240.00

### EXAMINATION FEES

For examinations to qualify for advanced courses and for all special examinations, for each subject.....	5.00
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### GRADUATION FEES

Wherein a degree is granted.....	20.00
Wherein a certificate is granted.....	10.00

FEE FOR BINDING MASTER'S THESIS.....	3.00
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FEE FOR THE PROFESSIONAL THESIS IN THE SCHOOL OF ENGINEERING.... An annual fee: one half, plus the University fee, payable in advance at the time of each registration.	50.00
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FEE FOR PRINTING AND FILING SUMMARY OF DOCTORAL THESIS.....	50.00
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### SPECIAL FEES

Late-registration fee, charged all students who fail to register within the designated period.....	5.00
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\* Payment of this fee does not entitle auditors or extension students to the general privileges to which payment of the preceding fees entitles resident students.

† For students registered in the School of Medicine during 1935-36 the tuition fee is \$484 per annum.

‡ Payment of tuition for the thesis will entitle the candidate, during the academic year of registration, to the advice and direction of the member of the Faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year may be granted without further tuition payment. If the preparation of the thesis extends beyond the two-year period, it must be registered for again, and tuition paid on the same basis as for a repeated course.

§ When a limited schedule is carried which extends the time of either the preparation period or the examination period to more than one year, the proportionate part of the charge may be fixed by the Comptroller.



## SPECIAL FEES—Continued

For special physical examination.....	2.00
Reinstatement fee, charged students who are reinstated after suspension for delinquency in fees.....	5.00
For examining admission credentials in the School of Medicine.....	3.00

## UNIVERSITY FEE

Payment of the University fee, charged all students, covers all expenses incident to registration and, in addition, secures to them the following University privileges: (1) the issuance of three certified transcripts of record, if and when desired; (2) the services of the Placement Office; (3) the use of the University library facilities, except as otherwise designated; (4) gymnasium privileges and the use of the University playing fields; (5) admission to all athletic contests, unless otherwise specified; (6) subscription to the *University Hatchet*, the student newspaper; (7) admission to University debates; (8) medical attention and hospital services as described under the Department of Health Administration, page 257. These privileges, however, with the exception of the issuance of transcripts, terminate, and a student is no longer in residence, when he withdraws or is dropped from the University.

## LABORATORY FEES AND DEPOSITS

Fees are charged in each course listed below as indicated. Material fees are charged by the semester and may be paid in three installments when the tuition is paid in this manner. Breakage deposits are charged by the year and are due in full at the time of registration. Breakage of apparatus is charged against the individual student, and the amount paid in excess of breakage will be returned at the end of the year.

## ART

Locker fee, per semester.....	\$1.00
Drawing-room fee, per semester:	
Design 5-6, 15-16, 25-26, 35-36.....	3.00
Design 125-26, 135-36.....	6.00
Drawing 7-8, 107-8, 127-28.....	3.00
Painting 9-10, 119-20, 129-3.....	3.00
Painting 139-40.....	6.00

## BACTERIOLOGY

Material fee, per semester:	
Bacteriology 112.....	10.00
Bacteriology 209.....	5.00

## BIOCHEMISTRY

Material fee, per semester:	
Biochemistry 154, 241-42.....	10.00

## BIOLOGY

## Material fee, per semester:

Biology 1-2.....	4.50
Biology 115-16.....	6.00
Biology 127-28.....	3.00

## BOTANY

## Material fee, per semester:

Botany, 1 2, 135, 136.....	4.50
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## CHEMISTRY

## Material fee, per semester:

Chemistry 11-12, 11X-12X, 21, 21X, 135-36, 146, 245, 246.....	9.00
Chemistry 41, 111-12, 226.....	6.00
Chemistry 42, 121, 121X, 122, 295-96.....	12.00
Chemistry 123.....	4.50

Breakage deposit, per annum, for one or more of the above courses.. 10.00

In case the student's breakage totals more than this amount, he will be required to make an additional deposit.

## CIVIL ENGINEERING

## Drafting-room fee, per semester:

Civil Engineering 41, 42, 150, 182, payable in advance.....	1.00
Civil Engineering 147-48.....	3.00

## Laboratory fee, per semester:

Civil Engineering 14, 14X, 149.....	6.00
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## Surveying fee, per semester:

Civil Engineering 1, 102.....	6.00
Civil Engineering 71, 72.....	3.00

## ELECTRICAL ENGINEERING

## Drafting-room fee, per semester:

Electrical Engineering 140, payable in advance.....	1.00
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## Laboratory fee, per semester:

Electrical Engineering 13-14, 17-18, 133-34, 141-42.....	6.00
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## HOME ECONOMICS

## Material fee, per semester:

Home Economics 1, 52, 102.....	9.00
Home Economics 51.....	5.00
Home Economics 54, 72.....	1.50
Home Economics 61, 72, 143, 152, 171.....	3.00

## LIBRARY SCIENCE

## Material fee, per semester:

Library Science 101-2, 185-86.....	1.50
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## MECHANICAL ENGINEERING

## Drafting-room fee, per semester:

Mechanical Engineering 3, 3X, 4, 4X, 7-8, 127-28.....	3.00
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## Laboratory fee, per semester:

Mechanical Engineering 115-16.....	6.00
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## MEDICINE

Locker fee, per year (optional).....	1.00
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**PHARMACY**

Material fee, per semester:

Pharmacy 21-22, 23-24, 101-2, 110, 151-52, 163, 166, 171-72, 173, 174, 183-84.....

3.00

Breakage deposit, per annum:

Pharmacy 1-2, 110, 163, 173, 174.....

5.00

Pharmacy 21-22, 101-2, 171-72.....

10.00

Maximum deposit for two or more of the above courses.....

10.00

In case the student's breakage totals more than this amount, he will be required to make an additional deposit.

**PHYSICAL EDUCATION FOR MEN**

Towel fee, per semester:

Physical Education 1-2, 9-10.....

1.50

**PHYSICAL EDUCATION FOR WOMEN**

Locker fee, for one or more of the following, per semester:

Physical Education 1-2, 11-12, 13, 14, 15-16, 109-10, 113-14.....

1.00

**PHYSICS**

Material fee, per semester:

Physics 11, 11x, 12, 13, 55, 133x, 134x, 143-44, 155-56.....

4.50

**PSYCHOLOGY**

Material fee, per semester:

Psychology 131, 134.....

1.50

Psychology 191-92.....

3.00

**STATISTICS**

Material fee, per semester:

Statistics 101-2, 103, 131-32.....

3.00

**ZOOLOGY**

Material fee, per semester:

Zoology 1-2, 54, 101-2, 133-34, 142, 142x, 241-42.....

4.50

Zoology 135, 137, 141, 144, 156, 171-72.....

6.00

**PAYMENT OF FEES**

All fees are payable at the Office of the Comptroller, 725 Twenty-first Street NW. No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each semester are due and payable in advance at the time of registration.

In exceptional cases, subject to the approval of the Comptroller, students registering for more than three semester-hours may sign contracts for semester charges, except for the University fee and deposits, permitting installment payments as follows:

First semester—one third at the time of registration, plus the University fee and deposits; one third on November 1; one third on December 1.

Second semester—one third at the time of registration, plus the University fee and deposits; one third on March 1; one third on April 1.



Students registering for three hours or less and students in the School of Medicine are not privileged to sign contracts for installment payments.

Students who fail to meet installment payments by the sixteenth day of the month in which payment is due will be suspended and may not attend classes until they have been officially reinstated and have paid all accrued fees and a reinstatement fee of \$5. A suspended student may not be reinstated for the semester after two weeks from the date of suspension. Applications for reinstatement are to be made to the Dean or Director of the College, School, or Division in which the student is registered.

Auditors pay a University fee of \$2 and all other fees chargeable to students registered for credit except the late-registration fee.

#### WITHDRAWALS AND REFUNDS

Applications for withdrawal from the University or for changes in class schedules must be made in person or in writing to the Dean or Director of the College, School, or Division in which the student is registered. Notification to an instructor is not an acceptable notice. (See "Withdrawal from Courses", page 79.)

In authorized withdrawals and changes in schedules, financial adjustments will be made as follows:

First semester—withdrawals dated on or before October 31, cancellation of the second and third installments; withdrawals dated on or before November 30, cancellation of the third installment. No refunds or rebates will be allowed on withdrawals dated subsequent to November 30.

Second semester—withdrawals dated on or before February 28, cancellation of the second and third installments; withdrawals dated on or before March 31, cancellation of the third installment. No refunds or rebates will be allowed on withdrawals dated subsequent to March 31.

In no case will the University fee or any part of an initial installment of tuition be refunded, and in no case will tuition be reduced or refunded because of nonattendance upon classes.

Any student in Chemistry who fails to check out of the laboratory on or before the date set by the instructor, unless excused by the instructor, will forfeit the balance of his deposit. Students dropping a course before the end of the semester must check out of the laboratory at once. Authorization to withdraw and certification for work done will not be given a student who has not a clear financial record.

## FELLOWSHIPS, SCHOLARSHIPS, PRIZES, LOANS

### FELLOWSHIPS

The following fellowships are available in the University. Forms on which to make application for these fellowships will be supplied by the Registrar of the University on request. Having been properly filled out, they should be submitted for consideration not later than March 1 of any year for the academic year beginning the following September.

*Isabella King Research Fellowship.*—A fellowship of the value of \$1,200 annually is offered in Biology. It is open to candidates holding the Bachelor's degree and is intended to foster research for which the libraries and scientific establishments in Washington offer special facilities.

*Tennessee Knights Templar Fellowship.*—A fellowship of the value of \$1,000 annually is offered in the School of Government by the Educational Foundation Committee of the Grand Commandery of Knights Templar of Tennessee. It is dedicated to Perry Weidner, late Grand Master of the Grand Encampment, Knights Templar of the U. S. A. It is open to men holding the Bachelor's degree from an accredited institution of higher learning in the State of Tennessee and is intended to train for governmental service. Application for the fellowship should be made to Dr. Joseph T. Meadors, Chairman of the Knights Templar Educational Foundation Committee, Division of Grand Commandery, Knights Templar of Tennessee, Nashville, Tennessee.

*Fellowships of the Grand Encampment, Knights Templar of the U. S. A., Educational Foundation Committee.*—Five fellowships of the value of \$1,000 each are offered annually in the School of Government by the Educational Foundation of the Grand Encampment of Knights Templar of the U. S. A. They are open to men holding the Bachelor's degree from an accredited institution of higher learning and are intended to train for governmental service. These fellowships will be allotted according to districts defined by the Educational Foundation Committee of the Grand Encampment of Knights Templar.

The fellowship of the Southeastern District is named for J. K. Orr, Past Grand Master of the Grand Encampment. For information concerning these fellowships, apply to the Honorable Fred A. Aldrich, Chairman of the Educational Foundation Committee, Grand Encampment of Knights Templar, P. O. Box 149, Flint, Michigan.

*Thomas Bradford Sanders Fellowships.*—These fellowships and scholarships were established by Miss Addie Sanders in memory of her late brother, Thomas Bradford Sanders. They are offered in the following Departments, each with a stipend of \$600 in addition to tuition: Chemistry, three fellowships; Economics, two fellowships; History, one fellowship; Physics, two fellowships; Psychology, one fellowship.

#### SCHOLARSHIPS

Student scholarships are administered by the University Committee on Student Loans and Scholarships. Application for scholarships must be made on forms which may be obtained from the Registrar of the University, and must be filed in the Office of the Registrar not later than May 15 preceding the academic year for which the scholarship is to be awarded. Scholarships are awarded for one year, unless otherwise specified. They may be renewed.

All yearly allotments for scholarships are credited in equal parts for each semester. The following rules apply to all scholarships except those from the Columbian Women Scholarship Funds: (1) Applicants must have established an academic record in courses at this institution, except in the case of the Citizens' Military Training Camps Scholarship, the Harvey Scholarship, the High School Scholarships, the Metzerott Scholarship, the Order of the Eastern Star Scholarship, and the Trustee Scholarships. (2) Holders must carry a full schedule of academic work (fifteen semester-hours, or in the professional schools the full prescribed schedule) during the period for which the scholarship is awarded. Further information may be obtained from the Registrar of the University.

*Byron Andrews Scholarships.*—Two scholarships in the amount of \$100 each, founded by Mrs. Belle Fisk Andrews in memory of her husband, the late Byron Andrews, are available "for ambitious and needy students, who desire to pursue courses in English, Latin, Journalism, History, Literature, or Political Science".

*Emma K. Carr Scholarships.*—These scholarships, founded in 1932 by Mrs. Emma K. Carr, are awarded annually to "young men (of the white race) for undergraduate or postgraduate work, considering character, capacity, and need", and number as follows: three in the amount of \$240 each and twelve in the amount of \$100 each.

*Henry Harding Carter Scholarships.*—These four scholarships, founded in 1896 by Mrs. Maria M. Carter in memory of her husband, Henry Harding Carter, are of the annual value of \$50 each and may be awarded to deserving students who are preparing for the civil-engineering profession.



*Maria M. Carter Scholarship.*—This scholarship, in the amount of \$40 to be awarded annually to a young man, was given to the University in 1871 by Mrs. Maria M. Carter.

*Citizens' Military Training Camps Scholarship.*—The University awards each year, through the Citizens' Military Training Camps of the Third Corps Area, a scholarship carrying tuition (this does not include the University fee, laboratory fees, or deposits) for one year in any one of the undergraduate departments. The award is made on the recommendation of the camp officers.

*Isaac Davis Scholarship.*—This scholarship, in the amount of \$40 to be awarded annually, was given to the University in October 1869 by the Honorable Isaac Davis, of Massachusetts. Nominations for the scholarship may be made "by the founder or his eldest lineal descendant". In case no such nomination is made, the scholarship is to be awarded by the University.

*Robert Farnham Scholarship.*—This scholarship, in the amount of \$40 to be awarded annually to a student in Columbian College, was given to the University in 1871 by Mrs. Robert Farnham.

*Elma Lewis Harvey Scholarship.*—This scholarship, of the annual value of \$200, was founded in 1921 by Mrs. Emma Elizabeth Harvey in memory of her daughter, and is to be awarded every four years, or as often as vacant, to a young woman student in Columbian College of the Protestant faith and of the Caucasian race who shall be selected for scholarship and moral qualifications.

*High School Scholarships.*—Two University scholarships, one for a man student, the other for a woman, are assigned for award to each of the following schools: Anacostia, Central, Eastern, McKinley, Roosevelt, Western, and Woodrow Wilson High Schools (District of Columbia); Bethesda-Chevy Chase High School (Maryland); Washington-Lee and George Washington High Schools (Virginia). The *Amos Kendall Scholarship*, founded by the late Honorable Amos Kendall, is one of the two assigned to the Central High School. Each of the above scholarships is awarded annually, on the recommendation of a committee consisting of the Dean of the Junior College of The George Washington University, the principal of the high school concerned, and an alumnus of both the high school and the University, to a member of the graduating class who intends to enter the Junior College and to continue in Columbian College. A principal and an alternate may be recommended.

The holders of these scholarships are exempt from tuition fees, the Summer Sessions excepted, but are charged the University, laboratory, graduation, and other fees. The scholarships are valid for four continuous academic years following the award, subject to the following conditions: The principal, or, if the principal declines, the alternate, must

register during the registration period for the fall term following the award. To retain any High School Scholarship a student must carry a full program of study (a full program being defined as at least fifteen hours of work each semester), unless otherwise determined in individual cases by the Committee on Student Loans and Scholarships upon recommendation of the Dean of the College concerned. An average of *B* and a high standard of deportment must be maintained. In case the holder of the scholarship does not use it, the scholarship will not be reassigned.

*John Hitz Metzertott Scholarship.*—This scholarship in the amount necessary to cover tuition charges, exclusive of special fees, was established in 1923 in memory of John Hitz Metzertott, M.D. '91, by members of his family, and is to be awarded every six years, or as often as vacant, to a young man preparing to enter the medical profession. The donors reserve the right to nominate the holder of this scholarship. The holder of the scholarship may be a student pursuing a premedical course in the Junior College or Columbian College, or the professional course in the School of Medicine.

*A. Morehouse Scholarship.*—This scholarship was founded by Mr. A. Morehouse, of Washington, D.C., in 1861. It carries an annual stipend of \$60, which is available for an undergraduate intending to enter the Christian ministry.

*Order of the Eastern Star Scholarship.*—This scholarship in the amount of \$125 was established by the Order of the Eastern Star of the District of Columbia and is to be awarded to a woman of the Order or to a daughter of a member in good standing. The donors reserve the right to nominate the holder of this scholarship.

*David Spencer Scholarship.*—This scholarship, established in 1918 by Louisa J. Spencer, is available under conditions stated in the bequest.

*Mary Lowell Stone Scholarship.*—This scholarship, founded in 1893 in memory of Mary Lowell Stone, is in the amount of \$80, to be awarded annually to a woman student of science in Columbian College.

*Trustee Scholarships.*—Five scholarships are awarded each year, upon the recommendation of regional alumni clubs, to outstanding male graduates of accredited high schools. The scholarships cover tuition costs for two years of full-time work but do not include the University fee, special fees such as laboratory charges, room, board, or other expenses. To retain the scholarship for the second year, the student must maintain a *B* average.

*William Walker Scholarship.*—This scholarship was founded in 1824 by William Walker, Esq., of Putnam County, Georgia. It carries an annual stipend of \$100, which is available for an undergraduate intending to enter the Christian ministry.

*John Withington Scholarship.*—This scholarship was founded in 1830 by the New York Baptist Theological Seminary, to be known as the John Withington Scholarship. It has an annual stipend of \$60.

*Ellen Woodhull Scholarship.*—This scholarship, founded by the late Ellen M. E. Woodhull, is in the amount of \$25, to be awarded annually to a student in Columbian College.

#### THE COLUMBIAN WOMEN SCHOLARSHIP FUNDS

The Columbian Women Scholarships, granted under any of the funds hereinafter described, are awarded by the Scholarship Committee of The Columbian Women. Applications for The Columbian Women Scholarships should be addressed to the Chairman of the Scholarship Committee, The Columbian Women, The George Washington University, Washington, D.C., not later than May 15 preceding the academic year for which the scholarship is to be awarded; or, in the case of award for the second semester, not later than January 1.

*Nellie Maynard Knapp Scholarship Fund.*—The income from this fund of \$5,000, established in 1915 by The Columbian Women in memory of a former president, Mrs. Martin A. Knapp, is available for scholarships for women.

*Founders of Columbian Women Scholarship Fund.*—The income from this fund of \$5,000, established in 1920 by The Columbian Women, is available for scholarships.

*Lillian Young Herron Scholarship Fund.*—The income from this fund of \$5,000, established by The Columbian Women in 1925 and named in 1930 in memory of a former president, is available for scholarships.

*Elizabeth V. Brown Scholarship Fund.*—This fund of \$1,200 was established in 1925 by the College Women's Club of Washington, D.C., in memory of the late Elizabeth V. Brown. The scholarship granted thereunder is available for a woman student in the School of Education.

*College Women's Scholarship Fund.*—The income from this fund of \$500, established in 1926 through the courtesy of the College Women's Club of Washington, D.C., is available for scholarship aid.

*Lewes D. and Myrtie H. Wilson Memorial Scholarship Fund.*—This fund of \$1,000 was established by Miss Elizabeth Wilson in 1926 as a memorial to her parents, Lewes D. and Myrtie H. Wilson. The income is available for a scholarship in the School of Medicine.

*Grace Ross Chamberlin Scholarship Fund.*—The income from this fund of \$2,300, established in 1932 by The Columbian Women in honor of a former president, is available for scholarship aid.



## PRIZES

*Alpha Chi Sigma Prizes.*—Alpha Pi Chapter of Alpha Chi Sigma Fraternity offers annually the following prizes:

A "Handbook on Chemistry and Physics" is awarded to each of the three male students who carry at least eighteen semester-hours during the freshman year and attain the highest averages in freshman Chemistry.

The fraternity will have engraved on a bronze plaque in Corcoran Hall the name and year of graduation of the graduating male student who has attained the highest quality-point index in courses in Chemistry, exclusive of the work of the final semester, provided that he has completed the requirements for a major in Chemistry and has done three fourths of this work in The George Washington University.

*Alpha Delta Pi Prize.*—Alpha Pi Chapter of Alpha Delta Pi Fraternity offers an annual prize of \$10 to the student doing the best work in third-year French.

*Alpha Delta Theta Prize.*—A prize of \$10 is offered annually by Alpha Delta Theta Sorority to the woman student who maintains the highest average in Chemistry 11-12 or 12 and 21.

*Alpha Kappa Psi Prize.*—Beta Mu Chapter of Alpha Kappa Psi Fraternity awards annually a scholarship medallion to the male student who has completed ninety semester-hours at The George Washington University and has attained the highest average grade of the students enrolled in Economics, Business Administration, Public Accounting, Public Finance, and Foreign Commerce.

*American Institute of Chemists Prize.*—The District of Columbia Chapter of the American Institute of Chemists offers an annual prize of a medal and junior membership in the American Institute of Chemists to be awarded to that graduating student, majoring in Chemistry, who is judged by the Faculty of the Department of Chemistry to excel in scholarship and in the personal qualities of integrity and leadership.

*Beta Phi Alpha Prize.*—Zeta Chapter of Beta Phi Alpha Sorority offers annually a gold medal to the outstanding freshman student in elementary Zoology.

*Byrne Thurtell Burns Memorial Prize.*—This prize, in the amount of \$30, is awarded to the senior majoring in Chemistry who shows the greatest proficiency in Organic Chemistry, as evidenced by a comprehensive examination, and who possesses such qualifications of mind, character, and personality as to give promise of future achievement.

*Chi Omega Prize.*—Phi Alpha Chapter of Chi Omega Fraternity offers annually a prize of \$25 to be awarded to the woman student in the graduating class with the highest record in the social sciences, com-

bined with general excellence. The social sciences include Economics, Sociology, Political Science, and History.

*Colonial Dames Prize.*—The Society of the Colonial Dames of America, Chapter III, offers annually a prize of \$25 to be awarded to the student who, having maintained a record of distinction in American History, submits the best essay upon a topic in Colonial history.

*E. K. Cutter Prize.*—The E. K. Cutter Prize in English was founded by the late Marion Kendall Cutter "for excellence in the study of English". An annual prize of \$40 is awarded to the member of the graduating class whose record in English, combined with general excellence, shows most marked aptitude and attainment in English studies.

*Daughters of the American Revolution Prize.*—This prize, founded by the Daughters of the American Revolution of the District of Columbia, consists of \$15, which is awarded annually to the student who, having maintained a record of distinction in American History, submits the best essay upon a topic in the period of the American Revolution.

*Harry Cassell Davis Prizes.*—These prizes are offered annually by Dr. Davis, who is a graduate of the University and a member of its Board of Trustees, to those students, registered in Public Speaking 1 or 1X, who, selected to take part in a speaking contest at the end of the course, are judged the best speakers. A committee of three judges will be selected by the Department of Public Speaking for each contest. At the end of the first semester three prizes will be awarded, as follows: first prize, \$25; second prize, \$15; third prize, \$10. At the end of the second semester two prizes will be awarded, as follows: first prize, \$15; second prize, \$10.

*Isaac Davis Prizes.*—These prizes, founded by the Honorable Isaac Davis, of Massachusetts, in 1847, are awarded annually to such members of the senior class as shall have made the greatest progress in public speaking during their connection with the University. The prizes are as follows: first prize, \$15; second prize, \$10; third prize, \$5.

The Davis Prize Speaking is held on the third Tuesday in November. The award of these three prizes is determined by a public-speaking contest in which the participants deliver original orations. Only members of the senior classes who are candidates for the degree of Bachelor of Arts or Bachelor of Science are eligible to compete. Students wishing to enter the competition should report to the Executive Officer of the Department of Public Speaking not later than three weeks before the contest and should submit their orations not later than two weeks before the contest. The prizes are awarded by a committee of three members, appointed by the Department of Public Speaking.

*William Thornwall Davis Prize.*—This prize, offered by Dr. William Thornwall Davis and consisting of a current monograph or set of mono-

graphs dealing with the field of ophthalmology, is awarded annually to the student doing the most outstanding work in Ophthalmology.

*Delphi Prize.*—Delphi offers an annual prize of \$10 to the woman member of the junior class having a scholarship average of 2.6 or higher who has done the most constructive work in the promotion of student activities among the women of the University.

*Delta Sigma Rho Prizes.*—Delta Sigma Rho has presented two cups, on which are engraved the names of the fraternity and sorority, respectively, whose teams win the annual Intramural Debate. The winning teams are awarded possession of the cups for the following year, and any fraternity or sorority which is victorious in three debates, not necessarily consecutive, is awarded permanent possession.

*Delta Tau Delta Activity Prize.*—Gamma Eta Chapter of Delta Tau Delta Fraternity offers each year a gold medal to be awarded to "that member of the senior class who throughout his course at The George Washington University has done the most constructive work in the furtherance and upbuilding of the University student activities".

*Delta Zeta Prize.*—Delta Zeta Sorority offers annually a prize of \$10, to be awarded to the student maintaining the highest average in General Botany.

*Ellsworth Prize.*—The Ellsworth Prize of \$25, offered by Mr. Fritz von Briesen, is awarded to the student doing the best work in the subject of Patent Law Practice.

*Elton Prize.*—The Elton Prize, founded by the Reverend Romeo Elton, D.D., of Exeter, England, consists of \$10 awarded annually to the senior student having the highest average in the Greek Language and Literature.

*European History Prize.*—This prize, in the amount of \$25, is awarded annually to that student in European History whose essay on some assigned topic shall be deemed the best submitted.

*Joshua Evans III Prize in the Political and Social Sciences.*—This memorial prize in the amount of \$30, established by friends because of an "outstanding life, is awarded annually to that man in the graduating class of The George Washington University who has demonstrated his signal ability in the Social and Political Sciences and who has given promise of the interpretation of that ability in good citizenship among his fellows". The selection of the recipient will be made by the President of the University and a committee from the Faculty of the Division of the Social Sciences.

*Willie E. Fitch Prize.*—The Willie E. Fitch Prize for highest excellence in all branches of Chemistry, founded in 1883 by James E. Fitch, Esq., in memory of his son, consists of \$40 which is awarded annually to a senior student for the best general examination in Chemistry.



*Edward Carrington Goddard Prize.*—This prize, consisting of a gold medal, was founded in 1924 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D.C., in memory of Edward Carrington Goddard, class of '81, and is awarded to the junior or senior student making the highest average in the French Language and Literature.

*James Douglas Goddard Prize.*—This prize, consisting of a gold medal, was founded in 1924 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D.C., in memory of James Douglas Goddard, class of '01, and is awarded to the senior student making the highest average in Pharmacy.

*Morgan Richardson Goddard Prize.*—This prize, consisting of a gold medal and \$25, was founded in 1924 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D.C., in memory of Morgan Richardson Goddard, and is awarded to the junior or senior student making the highest average in the following fields: Economics, Business Administration, Foreign Commerce, and Public Accounting.

*Samuel Herrick Prize.*—A prize of \$25, offered by Samuel Herrick, Esq., is awarded annually to that member of the graduating class in the Law School (excepting the winner of the John Bell Lerner medal) who has attained the highest average grade in the work of the third year.

*The Gardiner G. Hubbard Memorial Prize in American History.*—This prize of \$40 was established by Mrs. Gertrude M. Hubbard in memory of her husband, the late Gardiner G. Hubbard, and is awarded annually to that member of the graduating class majoring in History who has maintained the highest standing in courses in American History.

*Henry E. Kalusowski Prizes.*—The District of Columbia Pharmaceutical Association offers two prizes of \$50 each to the junior and senior students in the School of Pharmacy who maintain the highest average in all subjects in their respective classes.

*Kappa Delta Prize.*—Kappa Delta Sorority offers annually a silver loving cup to that girl of the freshman class who, in her first year, attains the highest scholastic average in not less than twenty-four semester-hours of work.

*Kappa Kappa Gamma Prize.*—Kappa Kappa Gamma Sorority offers annually a prize of \$10 to the full-time freshman who achieves the best record in Botany 1 and 2.

*John Bell Lerner Prize.*—This prize, established by the bequest of John Bell Lerner, consists of a medal which is awarded annually to that member of the graduating class in the Law School who attains the highest average grade in the entire course for the degree of Bachelor of Laws.

*Mortar Board Prize.*—This prize, consisting of a silver cup, is awarded annually to the woman student in the sophomore class having a scholarship average of *B* or higher and the most outstanding record in activities.

*John Ordronaux Prizes.*—These prizes were established in 1909 by the bequest of John Ordronaux.

The amount of \$80 is awarded to the member of the graduating class in the School of Medicine who has the highest scholastic standing.

The amount of \$40 is awarded annually to the student in the Law School who has attained the highest average grade in the first-year, full-time, regular course; and \$40 to the student who has attained the highest average grade in the second-year, full-time, regular course.

*Phi Alpha Prize.*—Alpha Chapter of Phi Alpha Fraternity offers annually a bronze plaque to that man in the sophomore class who ranks highest scholastically in his work at the University.

*Phi Eta Sigma Prize.*—The George Washington University Chapter of Phi Eta Sigma, freshman honorary scholarship society, offers each year to the beginning male student attaining the highest scholastic average in his first full semester of work a choice book, selected from the field of the recipient's major interest. In addition, the winner's name will be engraved on a permanent plaque to be preserved in the office of the Dean of the Junior College.

*Phi Mu Prize.*—Beta Alpha Chapter of Phi Mu Sorority offers annually a prize of \$10 to that student who attains in his major work, undertaken in the field of Political Science, the highest average for the year.

*Phi Sigma Kappa Prize.*—Phi Sigma Kappa Fraternity offers annually a silver cup to the winner of an oratorical contest, open to all freshmen.

*Phi Sigma Sigma Prizes.*—Kappa Chapter of Phi Sigma Sigma Fraternity offers annually the following prizes:

The amount of \$10 is awarded to the woman student with the highest average in first-year Zoology.

A key, known as the Nileen Cooper Phi Sigma Sigma Award, is given to the senior woman doing the most outstanding work in Psychology.

*Pi Beta Phi Prize.*—A prize of \$20 is awarded annually by the District of Columbia Alpha Chapter of Pi Beta Phi Fraternity to that woman member of the senior class who throughout her college course has done the most constructive work in the promotion of student activities among the women of the University.

*Pi Lambda Theta Prize.*—Alpha Theta Chapter of Pi Lambda Theta Fraternity offers an annual prize of \$25 to the student who produces the most meritorious Master's thesis in Education.

*Ruggles Prize.*—The Ruggles Prize, founded by Professor William

Ruggles in 1859, consists of \$20 awarded annually for excellence in Mathematics to a candidate for a baccalaureate degree.

*Sigma Kappa Prizes.*—Zeta Chapter of Sigma Kappa Sorority offers an annual prize of a set of books of the value of \$10 to the student passing the best examination in the year's work in English Rhetoric; and a prize of \$10 to the student who passes the best examination in freshman Chemistry.

*Sigma Tau Prize.*—Xi Chapter of Sigma Tau Fraternity offers annually a medal to be awarded to that member of the freshman class in the School of Engineering who maintains the highest scholastic standing in the work of the entire year.

*Staughton Prize.*—The Staughton Prize, founded by the Reverend Romeo Elton, consists of \$10 awarded annually to the senior student making the best record in the Latin Language and Literature.

*James MacBride Sterrett, Jr., Prize.*—This prize, founded in 1911 by the late Professor James MacBride Sterrett in memory of his son, consists of a gold medal awarded annually to that student who obtains the highest average in the course in General Physics.

*Charles Clinton Swisher History Club Prize.*—The Charles Clinton Swisher History Club offers an annual prize of \$25 to the student who submits the best essay covering some phase of medieval history.

*Theta Tau Activities Plaque.*—Gamma Beta Chapter of Theta Tau Fraternity offers annually a plaque to be awarded to that member of the senior class who has the most outstanding record in activities in the School of Engineering during the entire period of his attendance.

*Thomas F. Walsh Prize.*—This prize, founded in 1901 by Thomas F. Walsh, consists of \$20 awarded annually to that student who submits the best essay upon some topic in Irish history.

*Alexander Wilbourne Weddell Prize.*—From a fund established in 1923 by Mrs. Virginia Chase Weddell, an annual prize of \$150 is awarded to that student of the University who, registered for a degree, writes the best essay on the subject of "the promotion of peace among the nations of the world". The prize essays shall become the property of the University and shall not be printed or published without the written consent of the University. The University reserves the right to withhold the award if no essay attaining the required degree of excellence is submitted.

#### LOAN FUNDS

Loan funds are administered by the University Committee on Student Loans and Scholarships. Applications upon the required forms must be filed in the Office of the Comptroller at least ten days before the first day of registration in each semester. Applications for loans to cover the



second or third payments of tuition in each semester must be filed on or before the tenth day of the month in which the fees are due. Applications for loans cannot be considered if they are received after the dates stated above. Loans will be limited to the amount required for tuition in each case. Borrowers will sign notes for the amount borrowed. The terms of repayment of interest and principal will be arranged at the time of making the loan. When a student withdraws from the University, his loan automatically becomes due. No candidate will be approved for graduation if he is delinquent in a loan obligation incurred for educational purposes either at The George Washington University or elsewhere.

*University Student Loan Fund.*—The Trustees of The George Washington University have established a loan fund amounting to \$10,000.

*Daughters of the American Revolution Loan Fund.*—The District of Columbia Chapters of the Daughters of the American Revolution have established a student loan fund, from the income from which interest-bearing loans will be made to the daughters of members of the Daughters of the American Revolution in the District of Columbia. At present the fund amounts to \$3,911.24.

*Henry Strong Educational Foundation.*—The Henry Strong Educational Foundation, established at Chicago under the will of General Henry Strong, makes available a fund for loans to both men and women students under the age of twenty-five years, preferably in the upper classes, who possess not only zeal for leadership but also character and those traits tending to leadership, to aid them in obtaining a practical, literary, scientific, mechanical, or business education. The amount available for the year 1938-39 is \$2,895.19.

*Henry Strong-William A. Maury Loan Fund.*—This fund, also allocated from the funds of the Henry Strong Educational Foundation, is to be loaned to students under the age of twenty-five years in the George Washington University Law School. The amount available for 1938-39 is \$2,356.89.

*Knights Templar Educational Loan Fund.*—This fund, contributed and administered by the Grand Commandery of Knights Templar of the District of Columbia, is available for loans to students, preferably in the upper classes, who are residents of the District of Columbia. The amount loaned to a student is limited to \$200, and the terms of repayment are specially arranged in each instance by the Loan Committee of the Knights Templar.

*Pharmacy Loan Fund.*—This fund of \$155.69, established in 1932 by the Washington Chapter No. 4 of the Women's Organization of the National Association of Retail Druggists, is available to students in the School of Pharmacy. Application should be made to the Dean of the School.

## REGULATIONS

A student enrolled in the University is required to conform to the general University regulations and to comply with the rules and regulations of the College, School, or Division in which he is registered.

### ATTENDANCE

Students are not permitted to attend classes until registration has been completed and fees due have been paid. Regular attendance is required except in the case of students registered for courses under the independent study plan. For undue absence in any class a student may be dropped from the class. Tuition charges are made on a semester basis, and in no case will tuition be refunded or reduced because of nonattendance upon classes.

Students who have been suspended, either for delinquency in payment of fees or for any other reason, are not permitted to attend classes during the period of suspension.

### NONCONTINUOUS ATTENDANCE

Students who withdraw or are suspended, or who fail to register and attend for one semester or more, may reenter and continue their work only under the rules and regulations in force at the time of their return. For the purpose of this regulation, the Summer Sessions shall not be considered a semester.

For further regulations regarding attendance, consult the announcements of the several Colleges, Schools, and Divisions.

### PHYSICAL EDUCATION REQUIREMENTS

Regular freshman and sophomore courses in Physical Education are arranged for men and women students in the Junior College and the School of Engineering.

These courses in Physical Education are required of all freshman and sophomore students. However, students taking fewer than three subjects and students who, because of regular employment during the day (or for other reasons satisfactory to the Dean), must take all their classes in the late-afternoon hours are exempt from the requirements in Physical Education. Other exemptions may be granted only on written application approved by the Dean on recommendation of the Physical Education Department concerned.

Exemption from the requirements in Physical Education for reasons of a physical nature is conditional on the recommendation of the University

medical staff to the Executive Officer of Physical Education in the Department concerned. This applies equally to men and women.

Students entering the University with advanced standing are not exempt from the Physical Education requirements unless they have satisfactorily met the requirements elsewhere. Courses in Military Training are not accepted in satisfaction of these requirements.

The required medical and physical examinations will be given September 23 and 24, 1938.

#### SCHOLARSHIP REQUIREMENTS

A student who fails to maintain the scholarship requirements of the College, School, or Division in which he is registered may be placed on probation or dropped from the University.

#### EXAMINATIONS

Examinations are scheduled in all courses at the end of each semester or at the completion of the course.

Students guilty of dishonesty in examinations may be deprived of credit for the courses in which dishonesty occurs and may be suspended from the University.

For further regulations regarding examinations, consult the announcements of the several Colleges, Schools, and Divisions.

#### GRADES

Grades are not given out by instructors but are mailed to the student through the Office of the Registrar at the close of each semester. Upon request, a copy of the student's grades will be forwarded to his parent or guardian.

The following grading system is used in all undergraduate divisions of the University: *A* (90-100 per cent), excellent; *B* (80-89 per cent), good; *C* (70-79 per cent), average; *D* (60-69 per cent), passing; *E*, conditioned, not passing; *F* (below 60 per cent), failure; *Inc.*, incomplete; *W*, withdrawn. *W* is followed by a letter grade indicating the quality of work the student was doing at the time of withdrawal. A course failed must be repeated with a passing grade in order to be credited. No student may repeat for credit a course in which he has received a grade above *E*, without the permission of the Faculty of the College, School, or Division in which he is registered. A condition may be removed within one year on terms specified by the instructor, but in no case will a final grade above *D* be given unless the course is repeated in class. A grade of "incomplete" cannot be altered after the lapse of one calendar year except by Faculty action.



In all graduate divisions of the University, grades are indicated as "satisfactory", "unsatisfactory", or "incomplete".

For the grading systems of the Law School and the School of Medicine, see the explanations in the announcements of those Schools.

#### WITHDRAWAL FROM COURSES

Withdrawal from any course must be approved by the Dean or Director of the College, School, or Division in which the student is registered. The grade of *F* (failure) will be given in a course dropped without the permission of the Dean. Applications for withdrawal from any course within one month before the end of the semester or two weeks before the end of the Summer Sessions will be approved only in exceptional cases and must receive special action to regularize them. Forms upon which to make requests for withdrawal may be obtained at the Office of the Dean or Director. (See "Withdrawals and Refunds", page 64.)

#### QUALITY-POINT INDEX

Quality-points are computed from grades as follows: *A*, four points; *B*, three points; *C*, two points; *D*, one point; *E* and *F*, no points, for each semester-hour for which the student has registered.

Scholarship is computed in terms of the quality-point index, obtained by dividing the number of quality-points by the number of semester-hours for which the student has registered, both based on the complete collegiate record. Courses marked *W* or *Inc.* are not considered in determining the index.

#### CREDIT

Credit toward a degree is given only after regular registration for and satisfactory completion of the required work of classes in the University, or upon the granting of advanced standing in accordance with the regulations of the several Colleges, Schools, and Divisions.

On request the Registrar will furnish to students balance sheets showing the amount of work completed and the amount necessary to complete the requirements for a degree.

#### GRADUATION REQUIREMENTS

To be recommended for graduation a student must have met the admission requirements of the College, School, or Division in which he is registered, completed satisfactorily the residence, scholarship, and other requirements for the certificate or degree for which he is registered, and be free from all indebtedness to the University.

*Application for Graduation.*—Application for a degree or a Junior Certificate should be filed in the Office of the Registrar at the time of registration for the first semester of the senior or final year and may not be filed later than the date specified in the University calendar.

*Residence Requirements.*—In all undergraduate divisions of the University a minimum of one year, or thirty semester-hours, must be completed in residence. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission is granted by the Dean or Director of the College, School, or Division concerned to pursue work elsewhere, the work of the senior or final year must be completed in residence.

Graduate students must meet the residence requirements for the particular degree for which they are registered.

*Scholarship Requirements.*—In all undergraduate divisions of the University the scholarship requirement for graduation is a quality-point index of at least 2.00.

Graduate students must meet the scholarship requirements for the particular degree for which they are registered.

*Attendance and Conduct.*—The University reserves the right of refusing to confer a degree upon a candidate whose attendance or conduct has been unsatisfactory.

*Presence at Graduation.*—Candidates are required to be present at the graduation exercises unless excused by the President of the University upon the recommendation of the Dean or Director of their College, School, or Division.

### HONORS

In all undergraduate divisions of the University the degree may be conferred "with distinction", at the discretion of the Faculty, upon those students attaining a quality-point index of 3.50 or higher on all work taken at this institution except for the grades immediately preceding the granting of the degree. To be eligible for this honor a student must have completed at this institution at least one half of the work required for the degree.

### SPECIAL HONORS

Special honors may be awarded by the Faculty to any member of the graduating class for outstanding achievement in the student's major field of work on recommendation of the major department, under the following regulations:

1. The student shall have his candidacy for special honors approved by the Faculty member representing the major department not later than the beginning of the senior year.

2. The candidate shall meet such other conditions as the major department may set at the time the student's candidacy is approved.

3. No student shall be awarded special honors unless he has a quality-point index of at least 3.00 on all work taken at this institution except for the grades immediately preceding the granting of the degree. To be eligible for this honor a student must have completed at this institution at least one half of the work required for the degree.

#### FORMAL REQUIREMENTS FOR THESES

Theses submitted in partial satisfaction of requirements for the Master's degree, the professional degrees in Engineering, the degree of Doctor of Education, and the degree of Doctor of Philosophy must be presented in their final form to the Dean or Director of the College, School, or Division concerned not later than the date specified in the University calendar. Three\* copies of each thesis are required, one typewritten original and two legible carbon copies; they should be written on the official thesis paper, which is obtainable at the Student Club, and should be unbound. The title page must be in the following form:

(title of thesis)

By (full name of candidate)

(degrees held, with dates of conferment and names of conferring institutions)

A thesis submitted to the Faculty of the (name of the College, School, or Division) of The George Washington University in partial satisfaction of the requirements for the degree of (name of degree).

(date of Convocation at which the degree is to be conferred)

Accepted theses, with accompanying drawings, are the property of the University and will be deposited in the University Library, where the duplicate copies will be bound and made available for circulation.

Special requirements regarding theses are stated in the announcements of the Colleges, Schools, and Divisions.

#### TRANSFER OF RECORDS

Official transcripts of student records will be forwarded on request to other institutions. Unofficial copies of records will be furnished to students on request. No charge is made for the first three transcripts; a fee of one dollar is charged for each one thereafter. No certificate of work done will be issued for a student who does not have a clear financial record.

\* In the School of Education, four copies.



## THE LIBRARY

All students registered in the University are entitled to the reference use of all the University libraries. The Student Activities Book, issued upon payment of the University fee, must be presented as identification.

The books in the Law and Medical Libraries do not circulate, but, subject to certain necessary library regulations, books in the other libraries may be drawn for home use for a period of two weeks. Any book which does circulate is subject to recall by the Librarian at any time. Reserve books and periodicals for collateral reading must be used in the reading rooms when the libraries are open. With special permission they may be drawn for overnight use when the libraries close. A fine of twenty-five cents will be charged for the first hour or fraction of an hour and five cents for each hour or fraction thereafter that a reserve book is overdue. Grades of a student will be withheld until his library record is clear.

## HOURS

The General Library, in Lisner Hall, 2023 G Street, is open from 8.30 A.M. to 10.30 P.M. each class day (Saturday, 8.30 A.M. to 7 P.M.), and from 2 to 6 P.M. on Sunday. (Education; Home Economics; Languages and Literatures; Library Science; Philosophy; Physical Education; Psychology.)

The Social Science Library, in Building D, 2013 G Street, room 6, is open from 8.30 A.M. to 10.30 P.M. each class day (Saturday, 8.30 A.M. to 7 P.M.), and from 2 to 6 P.M. on Sunday. (Business Administration; Economics; History; Political Science; Public Speaking; Sociology.)

The Physical Science Library, in Corcoran Hall, 725 Twenty-first Street, room 16, is open from 8.45 A.M. to 9.30 P.M. each class day (Saturday, 8.45 A.M. to 7 P.M.). (Chemistry; Civil, Electrical, and Mechanical Engineering; Mathematics; Pharmacy; Physics; Statistics.)

The Natural Science Library, in Building C, 2029 G Street, room 305, is open from 8.45 A.M. to 9.30 P.M. each class day (Saturday, 8.45 A.M. to 7 P.M.). (Biology; Botany; Geology; Zoology.)

The Law Library, in Stockton Hall, 720 Twentieth Street, is open from 9 A.M. to 11 P.M. each class day (Saturday, 9 A.M. to 6 P.M.), and from 2 to 6 P.M. on Sunday.

The Medical Library, at 1335 H Street, is open from 8.30 A.M. to 4.30 P.M. each class day (Saturday, 8.30 A.M. to 1 P.M.).

## RIGHT TO DROP STUDENTS

The right is reserved by the University to drop any student from the University, or from any class or classes, whenever, in the interest of the student or the University, the University Administration deems it advisable to do so.

## STUDENT LIFE

### LIVING ACCOMMODATIONS

#### MEN STUDENTS

For the benefit of nonresident men a register of rooms which have been inspected and approved is kept in the Office of the Director of Women's Personnel Guidance, where inquiries in respect to housing facilities should be addressed.

Single rooms usually range in price from \$20 to \$30 a month, and double rooms from \$10 to \$20 a month a person. Rooms, with board consisting of breakfast and dinner, cost from \$40 to \$50 a month a person.

It is advisable for students to reach the University two or three days before the opening of the term in order that they may become established in satisfactory living quarters before class work begins.

#### WOMEN STUDENTS

The Hattie M. Strong Residence Hall is open to women students registered in the University. This residence provides a comfortable home on the University Yard and near the center of Washington.

Forms for application for room reservations, together with detailed information about the dormitory, may be obtained from the Director of Women's Personnel Guidance, The George Washington University, Washington, D.C.

All women students under twenty-three years of age must have their residences approved by the Director of Women's Personnel Guidance, unless they are living with family or relatives. Registration is not complete until such approval is given.

#### PLACEMENT OFFICE

The Placement Office is maintained to assist graduates and students in finding positions for which their college work has prepared them, and to cooperate with employers who wish to fill vacancies. Enrollment is open to alumni members and students of the University without charge for placement.

For further information address the Placement Office, The George Washington University, Washington, D. C.

#### STUDENT EMPLOYMENT

An employment service is operated to assist self-supporting students in finding employment. The University offers every possible assistance, but success in self-support depends upon the student himself.

Prospective students who expect to earn any part of their expenses and who do not have definite appointments to positions before coming to Washington should have the means of support for at least one semester. A minimum budget of \$100 a month is recommended.

Many out-of-town students secure positions in the departments of the Government in Washington by taking the United States Civil Service examinations in their home States. The hours of employment permit them to pursue a college course in the late afternoon and evening.

#### HEALTH ADMINISTRATION

The University maintains a staff of medical officers and a hospital.

The University Physician for Women maintains an office in the University.

The payment of the University fee entitles the student to certain health services described under the Department of Health Administration, page 257.

#### STUDENT ACTIVITIES

Control and direction of all student activities are vested in the Committees on Extracurricular Activities and Student Relationships, which in turn are subject to the supervision and control of the President's Council.

#### ELIGIBILITY FOR STUDENT ACTIVITIES

The following rules apply to activities which are open to all students registered in the University:

The Faculty adviser of each activity shall be held responsible for the verification, through the Office of the Registrar, of the eligibility of all participants. In activities which have no Faculty adviser, the ranking student officer shall verify, through the Office of the Registrar, the eligibility of all participants and shall submit the eligible list to the Committee on Eligibility for approval.

##### I. ACADEMIC AND SOCIAL CLUBS OR SOCIETIES

Students on probation may not be officers or chairmen of committees.

##### II. CAMPUS AND INTRAMURAL ACTIVITIES\*

1. Except where such activities may be of a graduate nature, membership or participation is restricted to undergraduate students registered for at least six semester-hours and not on probation.
2. Membership or participation is limited to not more than four years in any one activity at this University.
3. Students are ineligible after having been registered for six years in any institution of higher learning. Registration for any part of any year will count as a year of participation.

\* A classification of student activities may be obtained from the Faculty Committee on Eligibility.



III. COMPETITIVE INTERCOLLEGIATE ACTIVITIES\*

1. To represent the University in any undergraduate competitive intercollegiate activity, students must be undergraduate candidates for a degree and not on probation.

2. Such students must be registered for at least nine semester-hours for minor activities and at least twelve semester-hours for major activities.

3. Previous to each season of participation, except for freshman contests, students must have been in residence at this University at least two semesters or one semester and a summer session, during which they must have completed not less than eighteen semester-hours for minor activities or not less than twenty-four semester-hours for major activities.

4. No student may participate in any one intercollegiate activity for a total of more than three annual seasons at this University or elsewhere, exclusive of freshman competition.

5. Students are ineligible after having been registered for six years in any institution of higher learning. Registration for any part of any year will count as a year of participation.

RECOGNITION OF STUDENT ORGANIZATIONS

No student clubs or societies (except social fraternities, sororities, scholastic honor societies, religious or professional clubs or societies) organized as a branch or affiliate of a non-George Washington University organization will be recognized by the Committee on Student Life.

ASSEMBLIES

Chapel exercises are held on Friday of each week at 12.10 P.M. in Corcoran Hall.

University Assemblies are held from time to time. The attendance of students may be required.

PROPERTY RESPONSIBILITY

The University is not responsible for the loss, in any University building, of personal property belonging to students.

RESERVATION OF RIGHT TO CHANGE RULES

The University and its various Colleges, Schools, and Divisions reserve the right to modify or change the requirements, rules, and fees of the University. Such regulations shall go into force whenever the proper authorities may determine and shall apply to all students in the University.

For further information, catalogues, and application blanks, address the Director of Admissions, The George Washington University, 2029 G Street NW., Washington, D.C.

\* A classification of student activities may be obtained from the Faculty Committee on Eligibility.



THE COLLEGES, SCHOOLS, AND DIVISIONS





## THE JUNIOR COLLEGE

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*  
William Crane Johnstone, Jr., Ph.D., *Dean of the Junior College.*

### STAFF OF INSTRUCTION

Thomas Benjamin Brown, Ph.D., *Professor of Physics.*  
Henry Grattan Doyle, A.M., *Professor of Romance Languages.*  
Norris Ingersoll Crandall, M.Arch., *Professor of Art.*  
\*Richard Norman Owens, Ph.D., C.P.A., *Professor of Accounting and Business Administration.*  
Robert Whitney Bolwell, Ph.D., *Professor of American Literature.*  
Walter Lynn Cheney, Ph.D., *Professor of Physics.*  
Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking.*  
Elmer Louis Kayser, Ph.D., *Professor of European History.*  
Donnell Brooks Young, Ph.D., *Professor of Zoology.*  
Ruth Harriet Atwell, A.M., *Professor of Physical Education for Women.*  
Warren Reed West, Ph.D., *Professor of Political Science.*  
Lowell Joseph Ragatz, Ph.D., *Professor of European History.*  
†Francis Edgar Johnston, Ph.D., *Professor of Mathematics.*  
Benjamin Douglass Van Evera, Ph.D., *Professor of Chemistry.*  
William Crane Johnstone, Jr., Ph.D., *Professor of Political Science.*  
Anna Pearl Cooper, A.M., *Associate Professor of English.*  
Merle Irving Protzman, A.M., *Associate Professor of Romance Languages.*  
John Albert Tillema, Ph.D., LL.M., S.J.D., *Associate Professor of Political Science.*  
Courtland Darke Baker, A.M., *Associate Professor of English.*  
Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages.*  
James Christopher Corliss, A.M., *Associate Professor of Inter-American Economics.*  
Florence Marie Mears, Ph.D., *Associate Professor of Mathematics.*  
Paul William Bowman, Ph.D., *Associate Professor of Biology.*  
Raymond John Seeger, Ph.D., *Associate Professor of Physics.*

\* On sabbatical leave second semester 1938-39.  
† On sabbatical leave 1938-39.

- Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany.*  
 Wood Gray, Ph.D., *Associate Professor of American History.*  
 Claud Max Farrington, A.M., *Associate Professor of Physical Education for Men.*  
 Audley Lawrence Smith, Ph.D., *Associate Professor of English.*  
 Douglas Bement, A.M., LL.B., *Associate Professor of English.*  
 Harold Friend Harding, Ph.D., *Associate Professor of Public Speaking.*  
 Arthur Edward Burns, Ph.D., *Associate Professor of Economics.*  
 Ira Bowers Hansen, Ph.D., *Associate Professor of Zoology.*  
 Irene Cornwell, Ph.D., *Assistant Professor of Romance Languages.*  
 Henry Goddard Roberts, A.M., *Assistant Professor of Public Speaking.*  
 \*Ernest Sewall Shepard, A.M., *Assistant Professor of English.*  
 Martha Gibbon, A.M., *Assistant Professor of English.*  
 †DeWitt Clinton Knowles, Jr., M.S., *Assistant Professor of Chemistry.*  
 Kathryn Mildred Towne, A.M., *Assistant Professor of Home Economics.*  
 Carl Douglas Wells, Ph.D., *Assistant Professor of Sociology.*  
 George Winchester Stone, Jr., A.M., *Assistant Professor of English.*  
 Helen Bennett Lawrence, A.M., *Assistant Professor of Physical Education for Women.*  
 William Henry Myers, A.B., *Assistant Professor of Physical Education for Men.*  
 Steuart Henderson Britt, Ph.D., *Assistant Professor of Psychology.*  
 John Francis Latimer, Ph.D., *Assistant Professor of Classical Languages.*  
 Samuel Nathaniel Wrenn, Ph.D., *Assistant Professor of Chemistry.*  
 Donald Stevenson Watson, Ph.D., *Assistant Professor of Economics.*  
 Charles Rudolph Naeser, Ph.D., *Assistant Professor of Chemistry.*  
 John Porter Foley, Jr., Ph.D., *Assistant Professor of Psychology.*  
 Fred Salisbury Tupper, Ph.D., *Assistant Professor of English.*  
 Howard Maxwell Merriman, Ph.D., *Assistant Professor of American History.*  
 Eugen Weisz, *Lecturer and Critic in Art.*  
 Gretchen Louisa Rogers, A.M., *Instructor in German.*  
 Maurice Hart Van Horn, Ph.D., *Instructor in Chemistry.*  
 Edith Elizabeth Mortensen, A.M., *Instructor in Zoology.*  
 Jenny Emsley Turnbull, A.M., *Instructor in Physical Education for Women.*  
 Antonio Alonso, A.M., *Instructor in Romance Languages.*

\* On sabbatical leave second semester 1938-39.

† On leave 1938-39.



Elizabeth Burtner, A.M., *Instructor in Physical Education for Women.*

Luis Quintanilla, Ph.B., L.-ès-L., *Associate in Romance Languages.*

Myrta Dutton Williams, A.B., B.F.A., *Associate in Art.*

Helen Taylor Hanford, A.M., *Associate in Physical Education for Women.*

COMMITTEES\*

THE DEAN'S COUNCIL †

1939

Carl Douglas Wells

Lawson Edwin Yocum

1940

Francis Edgar Johnston

Donnell Brooks Young

1941

George Winchester Stone, Jr.

Benjamin Douglass Van Evera

COMMITTEE ON ADMISSION AND ADVANCED STANDING

Paul William Bowman, *Chairman*

Benjamin Douglass Van Evera

Florence Marie Mears

Douglas Bement

Ira Bowers Hansen

COMMITTEE ON SCHOLARSHIP

George Winchester Stone, Jr., *Chairman*

Henry Goddard Roberts

Wood Gray

Steuart Henderson Britt

Samuel Nathaniel Wrenn

COMMITTEE ON REGISTRATION

Raymond John Seeger, *Chairman*

Francis Edgar Johnston

Anna Pearl Cooper

Irene Cornwell

Claud Max Farrington

COMMITTEE ON LIBRARY

Martha Gibbon, *Chairman*

Raymond John Seeger

Donald Stevenson Watson

COMMITTEE ON DISCIPLINARY RELATIONS

Willard Hayes Yeager, *Chairman*

Donnell Brooks Young

Florence Marie Mears

Charles Rudolph Naeser

Arthur Edward Burns

\* The President of the University and the Dean of the Junior College are members ex officio of all committees.

† Elected by the Faculty.

**PREMEDICAL ADVISORY COMMITTEE**Donnell Brooks Young, *Chairman*

Paul William Bowman

Thelma Hunt

Thomas Benjamin Brown

Colin Mackenzie Mackall

**JUNIOR COLLEGE ADVISERS****SPECIAL ADVISERS FOR PREPROFESSIONAL CURRICULA**

Ruth Harriet Atwell (Physical Education for Women), William Paul Briggs (Pharmacy), Norris Ingersoll Crandall (Art), Claud Max Farrington (Physical Education for Men), Ira Bowers Hansen (Pre-medical), James Harold Fox (Education), Arthur Frederick Johnson (Engineering), William Henry Myers (Physical Education for Men), Richard Norman Owens (Government), John Albert Tillema (Government), Kathryn Mildred Towne (Home Economics), Donnell Brooks Young (Premedical).

**GENERAL ADVISERS FOR A.B. AND B.S. CURRICULA**

Paul William Bowman, Walter Lynn Cheney, John Porter Foley, Jr., Martha Gibbon, Harold Friend Harding, Francis Edgar Johnston, DeWitt Clinton Knowles, Jr., John Francis Latimer, Howard Maxwell Merriman, Charles Rudolph Naeser, Gretchen Louisa Rogers, Ernest Sewall Shepard, Fred Salisbury Tupper, Donald Stevenson Watson, Lawson Edwin Yocum.

**GENERAL INFORMATION****INTRODUCTORY**

The Junior College curricula are intended to continue the studies of a general cultural nature begun in the secondary schools, and to lay a foundation for the more specialized work which is to follow. During the freshman and sophomore years emphasis is accordingly laid (1) upon the social, cultural, biological, and physical background of civilization (history, political science, physical and biological sciences, literature, etc.) and (2) upon the discipline necessary to the effective prosecution of more advanced work (English rhetoric and composition, foreign languages, mathematics, etc.).

The Junior College also provides the preprofessional work required for admission to the Schools of Medicine, Law, Pharmacy, Education, and Government and to the Division of Library Science.

In addition it provides two two-year curricula, leading to the Junior Certificate, which are intended to meet the needs of students who do not look forward to a four-year college course.

#### ADVISORY SYSTEM

In order that students may have opportunities not only for assistance in planning their courses of study but also for personal, educational, and vocational advice in every phase of their academic work during the first two years, a number of members of the Faculty serve as advisers to Junior College students. Incoming students will be assigned to advisers at the time of registration and will be required to consult them at least once each semester. Students on probation and "warned" students are required to consult their respective advisers at such stated intervals as the Dean or adviser may direct. (See regulations under "Scholarship" and "Warnings", below.) All students are, however, encouraged to consult their advisers about college problems at any time, irrespective of these requirements. Students are expected to consult with the same advisers throughout their freshman and sophomore years, it being understood that these members of the Faculty act in the capacity of general educational advisers rather than as representatives of their respective departments of instruction.

#### ADMISSION

For a statement of the regulations and procedure for admission, see pages 53-57.

#### REGISTRATION

For information and regulations regarding registration, see pages 58-59.

#### FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 60-64.

#### SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University in accordance with instructions stated on page 66.

For particulars regarding scholarships, prizes, and loan funds, see pages 66-76.

#### GENERAL REGULATIONS

*Students in the Junior College are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 53-64 and 77-82.*

#### SCHOLASTIC-APTITUDE TESTS

Students admitted to the Junior College will be required to take the scholastic-aptitude tests of the University.



#### AMOUNT OF WORK

Fifteen or sixteen semester-hours, not including required Physical Education, constitute normal work. Students not on probation may be permitted by the Dean to take seventeen semester-hours.

Students having a total quality-point index of 3.50 may, with the permission of the Dean, take eighteen or nineteen semester-hours. No student may take more than nineteen semester-hours, except with the permission of the Committee on Scholarship.

For employed students working more than twenty-four hours a week, nine semester-hours, not including required Physical Education, constitute normal work. Employed students not on probation may be permitted by the Dean to take ten semester-hours. Employed students having a total quality-point index of 3.50 may be permitted by the Dean to take twelve or thirteen semester-hours.

#### ATTENDANCE

The student is held responsible to the instructor in charge of the course for which he is registered for all the work of the course, and all absences must be excused before provision will be made for him to make up the work missed.

With the exceptions noted below, occasional absences, not to exceed in number for each semester the semester-hours of credit for the semester, will be automatically excused. (If a course has distinct divisions such as lectures, laboratories, recitations, etc., these excuses apply pro rata to such separate divisions.) In applying this rule, absences immediately preceding or following holiday periods are to be counted double.

Such automatic excuses are intended to cover the occasional minor exigencies and not to constitute an indiscriminate privilege. Students on probation are allowed no automatic excuses.

Excuses for absences from two or more consecutive class periods, and for absences from examinations which have been announced in advance, can be obtained only by making written application to the Dean of the Junior College. All other absences may be excused by the instructor in charge.

Students whose absences from any class, whether excused or unexcused, are in excess of one fourth of the total number of class periods will receive the grade of *F* for the course, except by special ruling of the Dean on recommendation of the instructor in the course.

#### CLASSIFICATION OF STUDENTS

A student who has satisfactorily completed at least thirty-two semester-hours of work, including eighteen semester-hours' credit in his curriculum requirements, shall be classed as a *sophomore*.

## COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 201.

## THE JUNIOR CERTIFICATE

Upon the satisfactory completion of the requirements of the Junior College, a Junior Certificate is awarded. This certificate is required for admission to the junior class of Columbian College and to the professional Schools which require two years of preprofessional work (see "Curriculum Requirements", below).

## REQUIREMENTS FOR THE CERTIFICATE

To be recommended for a certificate a student must satisfy the admission, residence, scholarship, and curriculum requirements. *Particular attention is called to the statement of graduation requirements on pages 79-80.*

## SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 78-79.

In order to receive a Junior Certificate a student must have a quality-point index of at least 2.00 on his complete record.

*Honor Roll.*—The names of those students who have a quality-point index of 3.50 or higher on the basis of their complete record will be placed on the honor roll and published. No consideration is given to those who have completed a total of less than fifteen semester-hours. A place on the honor roll does not necessarily mean that the student will receive honors upon graduation.

*Probation.*—Students must maintain a quality-point index of at least 2.00, or they are placed on probation. The cases of students having a quality-point index between 1.50 and 2.00, however, will be considered individually by the Committee on Scholarship, which may retain or remove their probation. A student remains on probation as long as his quality-point index is below 2.00, or until his probation is removed by the committee.

*Dismissal.*—A student who has a total quality-point index below 1.50 will be dropped. The cases of students having a total quality-point index between 1.35 and 1.50, however, will be considered individually by the Committee on Scholarship, which may retain them on probation or drop them.

A student who receives a grade of *E* or *F* in two courses in any two out of three successive semesters will be dropped.

Students who fall under probation for the third semester, whether successive or after an interval, will be dropped.

For the purpose of these rules, the Summer Sessions are considered a semester.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Admission and Advanced Standing that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. Students dropped twice for poor scholarship will not be readmitted. (See the University ruling covering dismissal, page 82.)

In the case of students with limited schedules, the foregoing scholarship rules are applied only when the student has undertaken fifteen semester-hours or multiples thereof, unless he receives a grade of *E* or *F* in two courses in any two out of three successive semesters.

*Warnings.*—At stated intervals during the academic year instructors shall file in the Office of the Registrar the names of those students who are doing work of *D* grade or lower. These "warnings" shall be transmitted to the students concerned and copies forwarded to their respective advisers. Upon request a parent or guardian may receive a copy of a warning notice sent to a student. A warning constitutes notice to the student that he must consult his adviser within a reasonable time and in any case not later than two weeks after receipt of the warning. "Warning periods" are established as follows: First semester—November 1 to 15. Second semester—March 15 to 30. Summer Sessions—six-week courses, third to fourth week; nine-week courses, fourth to fifth week.

#### PHYSICAL EDUCATION

The Physical Education requirement consists of the prescribed assignments (see the announcement of Physical Education courses, pages 303 and 307-8), to be taken in the freshman and sophomore years by all students.

#### CURRICULUM REQUIREMENTS

The following curricula lead to the Junior Certificate and, with the exception of the specialized Junior College curricula, qualify the holder to apply for admission to Columbian College (the senior college) and the professional Schools and Divisions. Provision is made for certain differentiations to meet the needs of preparing for the several professional fields. Graduation from the Junior College does not, however, automatically admit a student to Columbian College or to a professional School or Division.

A detailed statement of the various Junior College curricula will be found in the table facing page 101.

After selecting a curriculum, a student is not permitted to change to another except with the permission of the Dean and on condition that he fulfill the requirements of the curriculum to which he changes.



The curriculum requirements include at least sixty-four semester-hours of credit.

All entering students are required to enroll in the freshman English course unless enrollment is postponed by the Dean. Properly qualified students may be certified by the Department of English as exempt from English 2 and may then be allowed to enroll in another first-group English course. No exemptions are granted from English 1.

Junior College students may not take second-group courses (courses numbered 101-200) without the written permission of the instructor and of the Dean of the Junior College. A student will not be permitted to postpone a first-group course, required under the curriculum for which he is registered, in order to take a second-group course for elective credit. The principle that first-group courses must be taken in the Junior College years, and advanced courses in Columbian College and the professional Schools, will be rigidly adhered to in approving student programs.

A student who wishes to take work at another University for transfer to this University for credit toward his degree must obtain written permission in advance from the Dean.

A. THE JUNIOR COLLEGE CURRICULA (TWO YEARS)

I. *General Curriculum.*—This curriculum is intended for students who do not look forward to a four-year college course or to advanced study in the liberal arts or in the sciences. It aims to provide the essential intellectual background of an educated person and to lay the foundations upon which may be built a solid structure of broad knowledge and training for good citizenship.

II. *Business and Secretarial Curriculum.*—This curriculum, when supplemented by adequate training and experience in shorthand, type-writing, office practice, etc., is intended to furnish a fundamental business education in preparation for positions as secretaries and minor business executives.

B. CURRICULA FOR ADMISSION TO COLUMBIAN COLLEGE

I. *Curriculum Leading to the Degree of Bachelor of Arts.*—This curriculum comprises the first two years of a standard four-year course in arts and letters, leading to the degree of Bachelor of Arts, which is granted by Columbian College.

II. *Curricula Leading to the Degree of Bachelor of Science.*—These curricula constitute two-year courses with emphasis upon the sciences. Students intending to study in Columbian College for the degree of Bachelor of Science in Biology, Botany, Geology, or Zoology should follow curriculum B-II-a. Those desiring the degree of Bachelor of Science in Chemistry, Mathematics, or Physics should follow curriculum B-II-b.

## C. CURRICULA FOR ADMISSION TO THE SCHOOL OF EDUCATION

I. *Curriculum Leading to the Degree of Bachelor of Arts in Education.*—This curriculum covers the required college work for entrance to the School of Education. The requirements may be modified in some instances on the basis of the work presented for entrance.

II. *Curriculum Leading to the Degree of Bachelor of Science in Home Economics.*—This curriculum covers the first two years of preparation for majors in Home Economics, for prospective teachers and others, leading to the degree of Bachelor of Science in Home Economics.

III-IV. *Curricula Leading to the Degree of Bachelor of Science in Physical Education.*—These curricula cover the first two years of a four-year course in Physical Education for Men and Physical Education for Women, leading to the degree of Bachelor of Science in Physical Education.

## D. CURRICULUM FOR ADMISSION TO THE SCHOOL OF GOVERNMENT

This curriculum covers the work required for entrance to the following curricula which are offered in the School of Government: Public Affairs, Foreign Service, Foreign Commerce, Public Administration, Business Administration, Public Finance, and Public Accounting.

## E. CURRICULUM FOR ADMISSION TO THE DIVISION OF LIBRARY SCIENCE

This curriculum is planned for students who expect to enter the Division of Library Science. It provides for a reading knowledge of French and German and outlines the work necessary as a basis for the technical work to follow.

## F. CURRICULUM FOR ADMISSION TO THE SCHOOL OF PHARMACY

This curriculum covers the required college work for entrance to the School of Pharmacy and comprises the first two years of a four-year course leading to the degree of Bachelor of Science in Pharmacy.

## G. CURRICULUM FOR ADMISSION TO THE SCHOOL OF MEDICINE

This curriculum covers the required college work for entrance to the School of Medicine and satisfies the requirements of the first two years of the combined curriculum leading to the degrees of Bachelor of Arts and Doctor of Medicine (see pages 109 and 139-40).

The Premedical Advisory Committee, through the premedical advisers, assists premedical students in arranging their programs so that they may obtain a sound educational background and at the same time meet requirements for medical schools. The committee also serves as a means of furnishing medical schools with information other than scholastic pertaining to students who wish to apply to such schools for admission.

### FOREIGN-LANGUAGE REQUIREMENTS

The curriculum requirement in foreign languages is articulated with the admission requirements. For the Junior Certificate a student must have completed satisfactorily the equivalent of two years of college work in a single foreign language.

A student offering for admission four acceptable high-school units of a single foreign language, or the equivalent, is not required to take any foreign language. If he offers three units, he must complete the second semester of the second-year college course in the same language. If he offers two units, he must complete the entire second-year college course in the same language. If he offers one unit, he must complete the second semester of the first-year college course and the entire second-year course in the same language. A student who offers irregular or inadequate preparatory work in a given language, or who has permitted a year or more to elapse since the completion of the second high-school unit, must consult the executive officer of the department in question for assignment to proper courses. On written recommendation of the proper executive officer, and with the approval of the Dean of the Junior College, a student may repeat for credit a language course taken in high school.

In some instances foreign languages are required or recommended as a preparation for advanced work in Columbian College and the professional Schools. Students should consult their advisers as to these requirements, so that appropriate foreign languages may be included, when necessary, in their Junior College programs.

### EXAMINATIONS FOR WAIVING CURRICULUM REQUIREMENTS\*

A student desiring to omit a required course may take such examination as the department prescribes, and, on passing satisfactorily, he may be relieved of the curriculum requirements in that subject and may qualify for registration in an advanced course. Passing of this examination shall not entitle the student to any hours of credit toward the degree. Students desiring to take such examinations should make the request of the Dean.

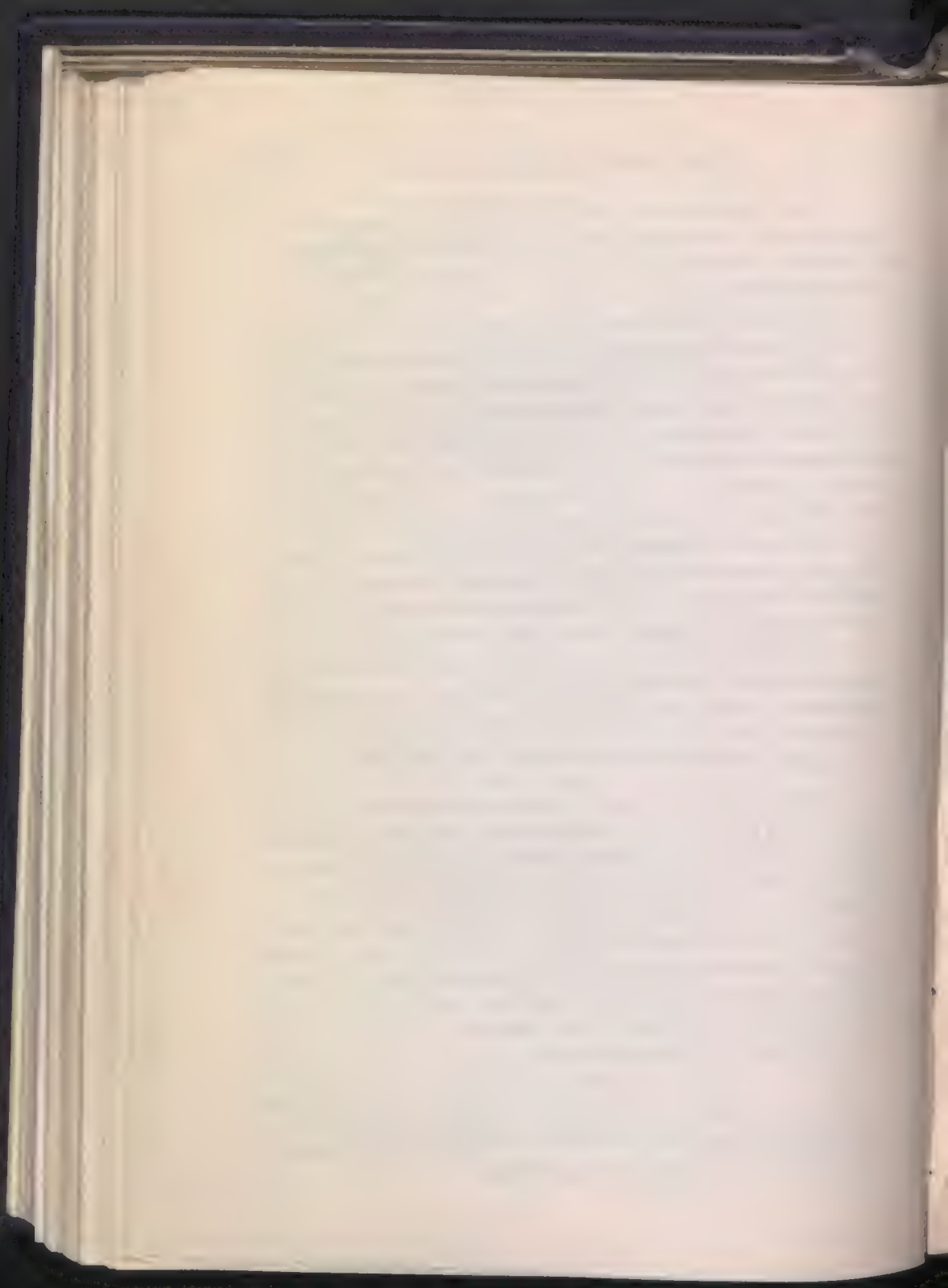
A fee of \$5 for each examination is to be paid at the Office of the Comptroller and the receipt exhibited at the door of room 27, Corcoran Hall, on September 24 at 2 P.M. for the first semester, and on February 4 at 2 P.M. for the second semester. Two hours will be allowed for the examination. Should a student wish to take more than one examination, arrangements will be made accordingly.

### HONORS

Honorable mention with the Junior Certificate may be granted to those students who have a total quality-point index of 3.50 or higher.

\* This provision does not apply to premedical students, all of whose required premedical work must be taken in a recognized college of arts and sciences.





FOR ADM<sup>CPA-</sup>  
TO  
OLS

ARTS AND LETTERS  
AND PRELEGAL

B

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an, sh.	6 French, German, Latin, Spanish, or elective. <sup>1</sup>	6 Fr 6
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istry-Physics 3-4) or Statistics 101.  
take Biology 1-2 and two of the fo

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6			French, German, or Spanish. <sup>1</sup>	6	French, German, Spanish, or elec- tive. <sup>1</sup>	6
ce 87						
1 6 8	Chemistry 41-42... Physics 11x..... Zoology 1.....	8 3 4	Chemistry 11, 12 <sup>9</sup> Physics 12, 13 <sup>10</sup> .. Zoology 1-2.....	8 6 8	Chemistry 41-42 <sup>9</sup> .. Physics 14 <sup>10</sup> .....	8 2
1 4 43 08	Pharmacy 21-22, 23-24.	10				
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2		2		2		2
	33		36		33	



## COLUMBIAN COLLEGE

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

Henry Grattan Doyle, A.M., *Dean of Columbian College.*

### STAFF OF INSTRUCTION

Paul Bartsch, Ph.D., Sc.D., *Professor of Zoology.*

George Neely Henning, A.M., Litt.D., *Professor of Romance Languages.*

Ray Smith Bassler, Ph.D., Sc.D., *Professor of Geology.*

DeWitt Clinton Croissant, Ph.D., *Professor of English.*

Thomas Benjamin Brown, Ph.D., *Professor of Physics.*

Henry Grattan Doyle, A.M., *Professor of Romance Languages.*

Robert Fiske Griggs, Ph.D., *Professor of Botany.*

John Donaldson, Ph.D., *Professor of Political Economy.*

George Morton Churchill, Ph.D., *Professor of English History.*

Norris Ingersoll Crandall, M.Arch., *Professor of Art.*

Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry.*

Edward Henry Sehrt, Ph.D., *Professor of German.*

Robert Whitney Bolwell, Ph.D., *Professor of American Literature.*

Walter Lynn Cheney, Ph.D., *Professor of Physics.*

James Henry Taylor, Ph.D., *Professor of Mathematics.*

Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking.*

Elmer Louis Kayser, Ph.D., *Professor of European History.*

Donnell Brooks Young, Ph.D., *Professor of Zoology.*

George Gamow, Physics D., *Professor of Theoretical Physics.*

Frank Mark Weida, Ph.D., *Professor of Statistics.*

Warren Reed West, Ph.D., *Professor of Political Science.*

Harold Griffith Sutton, M.S., *Professor of Finance.*

Edward Teller, Ph.D., *Professor of Physics.*

Lowell Joseph Ragatz, Ph.D., *Professor of European History.*

\*Francis Edgar Johnston, Ph.D., *Professor of Mathematics.*

Benjamin Douglass Van Evera, Ph.D., *Professor of Chemistry.*

Mitchell Dreese, Ph.D., *Professor of Educational Psychology.*

William Crane Johnstone, Jr., Ph.D., *Professor of Political Science.*

\* On sabbatical leave 1938-39.

- Cecil Knight Jones, Litt.B., *Adjunct Professor of Spanish American Literature.*
- Ralph Edward Gibson, Ph.D., *Adjunct Professor of Chemistry.*
- Joseph Quincy Adams, Ph.D., Litt.D., *Adjunct Professor of English.*
- Wilson Martindale Compton, LL.B., Ph.D., LL.D., *Professorial Lecturer in Economics.*
- \*Edward Campion Acheson, A.B., *Professorial Lecturer in Economics.*
- Anna Pearl Cooper, A.M., *Associate Professor of English.*
- Merle Irving Protzman, A.M., *Associate Professor of Romance Languages.*
- John Albert Tillema, Ph.D., LL.M., S.J.D., *Associate Professor of Political Science.*
- Alva Curtis Wilgus, Ph.D., *Associate Professor of Hispanic American History.*
- Courtland Darke Baker, A.M., *Associate Professor of English.*
- Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages.*
- James Christopher Corliss, A.M., *Associate Professor of Inter-American Economics.*
- Florence Marie Mears, Ph.D., *Associate Professor of Mathematics.*
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- Raymond John Seeger, Ph.D., *Associate Professor of Physics.*
- Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany.*
- Christopher Browne Garnett, Jr., Ph.D., *Associate Professor of Philosophy.*
- Wood Gray, Ph.D., *Associate Professor of American History.*
- Audley Lawrence Smith, Ph.D., *Associate Professor of English.*
- Douglas Bement, A.M., LL.B., *Associate Professor of English.*
- Thelma Hunt, Ph.D., M.D., *Associate Professor of Psychology.*
- Harold Friend Harding, Ph.D., *Associate Professor of Public Speaking.*
- Arthur Edward Burns, Ph.D., *Associate Professor of Economics.*
- Ira Bowers Hansen, Ph.D., *Associate Professor of Zoology.*
- Henry Goddard Roberts, A.M., *Assistant Professor of Public Speaking.*
- †Ernest Sewall Shepard, A.M., *Assistant Professor of English.*
- Donald Chenoweth Kline, B.Arch., *Assistant Professor of Art.*
- ‡DeWitt Clinton Knowles, Jr., M.S., *Assistant Professor of Chemistry.*
- Carl Douglas Wells, Ph.D., *Assistant Professor of Sociology.*
- George Winchester Stone, Jr., A.M., *Assistant Professor of English.*

\* On leave first semester 1938-39.

† On sabbatical leave second semester 1938-39.

‡ On leave 1938-39.

- Steuart Henderson Britt, Ph.D., *Assistant Professor of Psychology.*  
 John Francis Latimer, Ph.D., *Assistant Professor of Classical Languages.*  
 Samuel Nathaniel Wrenn, Ph.D., *Assistant Professor of Chemistry.*  
 Charles Rudolph Naeser, Ph.D., *Assistant Professor of Chemistry.*  
 Donald Stevenson Watson, Ph.D., *Assistant Professor of Economics.*  
 John Porter Foley, Jr., Ph.D., *Assistant Professor of Psychology.*  
 Fred Salisbury Tupper, Ph.D., *Assistant Professor of English.*  
 Howard Maxwell Merriman, Ph.D., *Assistant Professor of American History.*  
 Joseph Alfred Ambler, Ph.D., *Lecturer in Chemistry.*  
 William Moore Loman, A.M., *Lecturer in Psychology.*  
 Eugen Weisz, *Lecturer and Critic in Art.*  
 John Ihlder, B.S., *Lecturer on City Building.*  
 Edward Joseph Duffy, A.B., *Lecturer in Journalism.*  
 Nathan Robertson, A.B., *Lecturer in Journalism.*  
 Walter Bramble Kunz, A.M., *Instructor in Chemistry.*

## COMMITTEES\*

## THE DEAN'S COUNCIL†

1939

Paul William Bowman  
 Wood Gray

1940

Douglas Bement  
 Arthur Edward Burns

1941

Benjamin Douglass Van Evera  
 Christopher Browne Garnett, Jr.

## COMMITTEE ON ADMISSION AND ADVANCED STANDING

DeWitt Clinton Croissant, *Chairman*Ira Bowers Hansen, *Secretary*

Thomas Benjamin Brown

Ernest Sewall Shepard

Edward Henry Sehr

Samuel Nathaniel Wrenn

Howard Maxwell Merriman

\* The President of the University and the Dean of Columbian College are members ex officio of all committees.

† Elected by the Faculty.



## COMMITTEE ON STUDIES

The Dean of the College, *Chairman*

Merle Irving Protzman (Languages and Literatures)	Ira Bowers Hansen (Natural Sciences)
--	---

Thomas Benjamin Brown (Mathematics and Physical Sciences)	Arthur Edward Burns (Social Sciences)
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## COMMITTEE ON SCHOLARSHIP

Merle Irving Protzman, *Chairman*

Audley Lawrence Smith	Charles Rudolph Naeser
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## COMMITTEE ON REGISTRATION

Willard Hayes Yeager, *Chairman*

Walter Lynn Cheney	Steuart Henderson Britt
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## COMMITTEE ON LIBRARY

George Winchester Stone, Jr., *Chairman*

John Albert Tillema	Lawson Edwin Yocum
---------------------	--------------------

## COMMITTEE ON DISCIPLINARY RELATIONS

Mitchell Dreese, *Chairman*

Donnell Brooks Young	Lowell Joseph Ragatz
Frank Mark Weida	Florence Marie Mears

## DIVISIONAL ORGANIZATION

## LANGUAGES AND LITERATURES

John Francis Latimer, *Chairman*George Winchester Stone, Jr., *Secretary*

## EDUCATIONAL COMMITTEE

Merle Irving Protzman, *Chairman*

George Winchester Stone, Jr.	John Francis Latimer
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## MATHEMATICS AND THE PHYSICAL SCIENCES

James Henry Taylor, *Chairman*Samuel Nathaniel Wrenn, *Secretary*

## EDUCATIONAL COMMITTEE

Thomas Benjamin Brown, *Chairman*

Colin Mackenzie Mackall	James Henry Taylor
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NATURAL SCIENCES

Donnell Brooks Young, *Chairman*

Edith Elizabeth Mortensen, *Secretary*

EDUCATIONAL COMMITTEE

Ira Bowers Hansen, *Chairman*

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Paul William Bowman

SOCIAL SCIENCES

Elmer Louis Kayser, *Chairman*

Ralph Dale Kennedy, *Secretary*

EDUCATIONAL COMMITTEE

Arthur Edward Burns, *Chairman*

Christopher Browne Garnett, Jr.

Wood Gray

GENERAL INFORMATION

INTRODUCTORY

Columbian College was founded in 1821, during the Presidency of James Monroe. A charter was obtained from Congress establishing "The Columbian College in the District of Columbia" for the "sole and exclusive purpose of educating youth in the English, learned and foreign languages, the liberal arts, sciences and literature", with full power to confer all degrees "usually granted and conferred in colleges".

Since the founding of old Columbian College, many other Schools and Divisions have been established to form the present George Washington University. In 1930 the name "Columbian College" was bestowed upon the senior college.

ADMISSION

For a statement of the general regulations and procedure for admission to the University, see pages 53-57.

Special students and auditors are referred to the Division of University Students.

FOR THE BACHELOR'S DEGREES

Applicants for admission to Columbian College having the intention of becoming candidates for the degree of Bachelor of Arts must present a Junior Certificate based on curriculum A-I or B-I in the Junior College, or its equivalent (see page 97 and table facing page 101). Students taking the combined Arts and Medicine curriculum are subject to this regulation, and must include all the special premedical requirements (see page 134).

Applicants for admission to Columbian College having the intention of becoming candidates for the degree of Bachelor of Science must present a Junior Certificate based on curriculum B-II-a (Biology, Botany, Geology, or Zoology) or B-II-b (Chemistry, Mathematics, or Physics) in the Junior College, or its equivalent (see page 97 and table facing page 101).

#### FOR THE MASTER'S DEGREE

Applicants for admission to Columbian College having the intention of becoming candidates for the degree of Master of Arts must present a baccalaureate degree in liberal arts and sciences from an accredited institution and a transcript of the studies previously pursued. Students from unaccredited institutions may be admitted at the discretion of the Dean's Council, but such students are required to take such extra work above the minimum requirements as may be prescribed. In case the student's undergraduate curriculum did not include a program of study substantially equivalent to a major in his chosen field, he must complete this work in addition to that required for the Master's degree.

#### REGISTRATION

For information and regulations regarding registration, see pages 58-59.

#### FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 60-64.

#### FELLOWSHIPS, SCHOLARSHIPS, PRIZES, LOAN FUNDS

Details regarding qualifications and application for fellowships will be found on page 65.

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University in accordance with instructions stated on page 66.

For particulars regarding scholarships, prizes, and loan funds, see pages 66-76.

#### DIVISIONAL ORGANIZATION

The instructional organization of Columbian College is contained in the divisions. The divisional and departmental officers administer the educational requirements for students majoring within the divisions.

#### INDEPENDENT STUDY PLAN

Under the independent study plan a student of demonstrated capacity, with special interest in the subject matter of a course, may be permitted to undertake independent study under the personal direction of an instructor, in accordance with the rules of the division in which the subject



falls. Credit under this plan is limited to the specific course-credits as designated in the list of courses of instruction in this CATALOGUE.

#### GENERAL REGULATIONS

*Students in Columbian College are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 53-64 and 77-82.*

#### AMOUNT OF WORK

Full-time students who are not on probation may take ordinarily not more than seventeen semester-hours. Students employed more than twenty-four hours a week, who are not on probation, may take not more than ten semester-hours.

Full-time students whose quality-point index is 3.50 or higher may take not more than nineteen semester-hours. Employed students who meet the same standard may take not more than twelve semester-hours.

#### ATTENDANCE

The student is held responsible for all the work of the courses in which he is registered, and all absences must be excused by the instructor in charge before provision is made for him to make up the work missed.

#### CLASSIFICATION OF STUDENTS

A student who has completed less than thirty semester-hours in Columbian College, and who has registered his major at the Office of the Registrar, is classed as a *junior*. A student who has completed thirty semester-hours in Columbian College, including at least one course in his major, is classed as a *senior*. A student who has satisfactorily completed the work for the baccalaureate degree, and who has registered his major at the Office of the Registrar, is classed as a *master in course*.

#### COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 201.

#### THE BACHELOR'S DEGREES

Upon the satisfactory completion of the undergraduate requirements of Columbian College, the degree of Bachelor of Arts or Bachelor of Science is conferred. In cooperation with the School of Medicine a seven-year curriculum leading to the combined degrees of Bachelor of Arts and Doctor of Medicine is offered.

#### REQUIREMENTS FOR THE DEGREES

To be recommended for a degree a student must satisfy the admission, residence, scholarship, and curriculum requirements. *Particular attention is called to the statement of graduation requirements on pages 79-80.*

#### RESIDENCE

A minimum of one year, or thirty semester-hours, must be completed in residence. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission is granted by the Dean to pursue work elsewhere, the work of the senior or final year must be completed in residence.

Students intending to attend summer-school sessions at other institutions and desiring to count credits so obtained toward degrees in Columbian College must first obtain the written approval of the Dean. In no event will such credits be recognized to an amount in excess of that which might be earned in a similar period in this University. No credit is given for work done by correspondence or in home-study courses.

#### SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 78-79.

In order to graduate, a student must have a quality-point index of at least 2.00. In addition, he must have a quality-point index of at least 2.50 in his major subject. Grades in courses taken at other institutions are not considered in computing the quality-point index.

*Probation.*—Students must maintain a quality-point index of at least 2.00, or they are placed on probation. Students remain on probation as long as their quality-point index on all work taken is below 2.00.

*Suspension.*—Students having a quality-point index below 1.00 or who are placed on probation for a third semester, whether successive or after an interval, are suspended.

Students suspended for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Admission and Advanced Standing that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. Students suspended twice for poor scholarship are not readmitted. (See the University ruling covering dismissal, page 82.)

For the purpose of these rules, the Summer Sessions are considered a semester.

In the case of students with limited schedules, the foregoing scholarship rules are applied only when the student has undertaken fifteen semester-hours or more.

#### CURRICULUM REQUIREMENTS

Every candidate for graduation must satisfy one of the curricula listed below leading to the degree of Bachelor of Arts or Bachelor of

Science. The curriculum requirements include at least sixty semester-hours of credit beyond that of the Junior College.

After selecting a curriculum, a student may not change to another except by permission of the Dean and on condition that he fulfill the requirements of the curriculum to which he changes.

The freshman and sophomore years of each curriculum will be found in the announcement of the Junior College.

In the case of curricula B-I, B-II-a, and B-II-b in Columbian College, the requirements for the major in the several departments of instruction are stated immediately preceding the announcement of courses offered (see pages 201-349). The first year of Medicine satisfies the requirements for the major in the combined Arts and Medicine curriculum.

Students are required to select and file with the Registrar a choice of major upon entering Columbian College. Students may change the major only with the consent of the Dean and of the department or division concerned.

Beginning with the academic year 1937-38, undergraduate majors in certain designated fields of study have been offered under a new plan of study, a statement of which will be found on pages 113-14.

#### BACHELOR OF ARTS

**B-I.\* *General Curriculum.***—The work of the junior and senior years, including a major, must be approved by the major department or division and by the Dean.

**G.\* *Combined Curriculum: Bachelor of Arts and Doctor of Medicine.***—This curriculum contemplates three years of collegiate study (the last thirty semester-hours of which must be taken in Columbian College) and four years in the George Washington University School of Medicine. Students wishing to avail themselves of the opportunity afforded by the combined curriculum must obtain the approval of the Dean of Columbian College at the time of entering the School of Medicine. Upon the completion of the first year of the regular curriculum in the School of Medicine, and upon the recommendation of its Dean, the degree of Bachelor of Arts will be conferred. The entire work must be upon the scholarship level required for graduation. Credit is not given for professional work taken in another institution.

#### BACHELOR OF SCIENCE

The work of the junior and senior years, including a major in one of the sciences mentioned below, must be approved by the major department or division and by the Dean.

**B-II-a.\* *Biology, Botany, Geology, and Zoology Curriculum.***—Geology 21-22 must be taken if not elected earlier.

\* See the table of the Junior College curricula, facing page 101.



B-II-b.\* *Chemistry, Mathematics, and Physics Curriculum.*—If Botany has been elected earlier, Geology 21-22 or Zoology 1-2 must be taken. If Geology has been elected earlier, either Botany 1 and 2 or Zoology 1-2 must be taken.

#### EXAMINATIONS FOR WAIVING CURRICULUM REQUIREMENTS

A student desiring to omit a required course may take such examination as the department prescribes, and, on passing satisfactorily, he may be relieved of the curriculum requirement in that subject and may qualify for registration in an advanced course. Passing of this examination shall not entitle the student to any hours of credit toward the degree. Students desiring to take such examinations should make the request of the Dean.

A fee of \$5 for each examination is to be paid at the Office of the Comptroller and the receipt exhibited at the door of room 27, Corcoran Hall, on September 24 at 2 P.M. for the first semester, and on February 4 at 2 P.M. for the second semester. Two hours will be allowed for the examination. Should a student wish to take more than one examination, arrangements will be made accordingly.

#### THE NEW PLAN OF STUDIES

As part of the administrative readjustment of the University's program effected in 1930, the work of the freshman and sophomore years was made a separate unit and assigned to the Junior College, while the junior and senior years were retained in Columbian College. As a further step, the year of study leading to the Master's degree was separated from the graduate work for the Doctor's degree (now administered by the Graduate Council) and assigned to Columbian College. This innovation was accompanied by the establishment of a carefully controlled independent study plan. At the same time, the divisional type of educational organization was adopted, which distinguishes between the instructional organization of the University and its administrative organization and which is based upon such factors as the relationship of content, the interrelation of methods and prerequisites, and similarity of background and viewpoint. Divisions are not, however, considered as unrelated and self-sufficient. It is recognized that many contacts between divisions arise, and the full value of the organization, both for the instructors and for the students, is realized only to the extent that such contacts are fostered and improved.

The purpose of Columbian College is to round out the program of liberal education begun in the Junior College, and to bring to a focus

\* See the table of the Junior College curricula, facing page 131.

educationally the individual talents and aptitudes of the student of liberal arts. The program involves a comprehensive survey of a field of study, together with such knowledge of other fields as will contribute to the general intellectual development of the student.

Courses open to students in the arts and sciences are offered under the following twenty-three departments: Art, Bacteriology, Biochemistry, Biology, Botany, Chemistry, Classical Languages and Literatures, Economics, English, Geology, Germanic Languages and Literatures, History, Mathematics, Philosophy, Physics, Physiology, Political Science, Psychology, Public Speaking, Romance Languages and Literatures, Sociology, Statistics, and Zoology. Under approved conditions, liberal-arts students may also elect courses in certain other departments.

The George Washington University plan of educational sequence in the liberal arts and sciences extends from the elementary collegiate discipline of the Junior College, through the studies for the baccalaureate degree of Columbian College, to the Master of Arts discipline, likewise in Columbian College. A well-rounded undergraduate major supported by studies in related fields provides the core of the Columbian College program, the culmination of which is the Master of Arts discipline.

In order to carry out the fundamental educational philosophy of this program and to give practical effect to its aims and objectives, a new plan has been set up for the administration both of the undergraduate major and of the Master's work. Under it, emphasis is definitely placed upon fields of study and upon knowledge of their content, rather than upon the mere accumulation of course-credits. This program is described in detail below.

The new plan went into effect with the opening of the academic year 1937-38, but for the present, *undergraduate majors* under the new plan are offered only in certain designated fields of study. As additional majors are defined and the corresponding techniques and facilities developed, the plan will be extended to other fields of study. Students will be free, of course, to choose majors under either the old or the new plan in accordance with their tastes and interests; but for fields of study in which specific majors have been established under the new plan, the provisions of the old plan will apply only to students previously registered as candidates for the degree with majors in these fields.

#### THE UNDERGRADUATE MAJOR

Students in Columbian College pursuing courses in the general curricula leading to the degrees of Bachelor of Arts and Bachelor of Science must complete an undergraduate major. The requirement for the satisfaction of an undergraduate major is the completion of a consistent plan of study, as demonstrated by the passing of a written examination in the subject or field of the major. Although the minimum

requirements for the Bachelor's degrees will still include completion of courses carrying a specific number of credit-hours, the requirement for the major is not stated in terms of semester-hours or of definite courses.

#### DEFINITION OF THE UNDERGRADUATE MAJOR

An undergraduate or baccalaureate major may be defined as a co-ordinated study of the content and methods of a field of knowledge. Although generally confined to a single department of instruction (which is the field of study), a major may also be taken in a group of closely related subjects, or in some important and integral subdivision of a departmental program. In other words, a major may be offered by a single department, or in a group of related studies involving more than one department, or even more than one division; or one department may offer more than one major field of study within itself.

The objective of the major is to make certain that the student shall have, at the time of his graduation, the skill and knowledge of a field of learning, enlarged and strengthened by studies in related subjects, so that he may, with conviction and understanding, meet the activities and interests of modern life.

Study for the major, however, is not intended to displace the ideal of a liberal education. The student is advised against overspecialization, protected from undue encroachment upon his time and energy by major requirements, and given opportunity for the broadening of his knowledge throughout the undergraduate discipline. In order to assure this, at least twenty-four semester-hours of course work must be taken in subjects not included in the major. Responsibility for carrying out this provision rests with the major adviser, by whom all courses taken by the student in Columbian College will be approved.

#### ADMINISTRATION OF THE MAJOR

All majors are subject to the approval and supervision of the division in which the major field is classified. The professor or adviser of the field of study will formulate the contents of the major, which will be submitted through the Educational Committee to the division. All majors are intended to be comparable; that is, they should have the same general proportion in relation to the whole undergraduate academic program, and should maintain similar standards of achievement.

#### PROSEMINAR IN THE MAJOR

For the convenience of the student a proseminar course is offered in each field of study, under the supervision of the division in which the major is taken. This course, planned and administered by the professor or adviser of the major subject, will advise, guide, and instruct the



student in his reading, study, laboratory exercises, and the like, in order to assist him in gaining a coordinated knowledge of his field. This course is not a definite requirement; registration in it is voluntary on the part of the student. Six semester-hours' credit, but no qualitative grade, may be assigned. When registered in this course the student will have the privilege of visiting any other course offered in the college. This proseminar is not intended as a "cramming course". Its objective is to present the content and methods of the major field as a whole by organizing and coordinating the knowledge obtained in the various formal courses in the major subject, as well as by suggesting material not usually included in such courses.

#### THE MAJOR EXAMINATION

The major examination will normally be taken by the student at the close of the senior year; in the case of students on limited schedule, the major examination may be taken not earlier than one calendar year before graduation. Students who fail to pass a major examination may, at the discretion of the Columbian College Committee on Studies, be re-examined at a later regular major-examination period. The Educational Committees of the respective divisions will have general supervision of the preparation, reading, and grading of major examinations. Major examinations will be held in the closing weeks of each regular semester and, with the permission of the Committee on Studies, at the conclusion of the Summer Sessions.

#### NEW-TYPE UNDERGRADUATE MAJORS OFFERED IN 1938-39

Six new-type majors are offered in 1938-39, as follows:

1. *American Thought and Civilization*
2. *International Relations*
3. *English Literature*
4. *Statistics*
5. *Biology*
6. *Philosophy*

On the basis of techniques developed and experience gained in the administration of these majors, additional new-type majors will gradually be introduced until all majors offered in Columbian College conform to the new plan. In the meantime, old-type majors will continue to be offered, until further notice, in Art, Botany, Chemistry, Classical Languages and Literatures, Economics, French, Geology, Germanic Languages and Literatures, History, Mathematics, Physics, Political Science, Psychology, Public Speaking, Romance Languages and Literatures, Sociology, Spanish, and Zoology. Students who have already begun work on old-type majors in Biology, English, Philosophy, and

Statistics will of course be permitted to complete their majors under the old plan if they wish; but new candidates for majors in these fields will be subject to the new requirements.

Of the six new-type majors offered, two, those in International Relations and in Biology, extend broadly over the work of their respective divisions, and another, that in the field of American Thought and Civilization, involves studies in two divisions, those of Languages and Literatures and of Social Sciences. The other majors replace old-type majors in their respective fields.

A special bulletin containing a detailed description of the new-type undergraduate majors offered in 1938-39 is available at the Office of the Dean of Columbian College.

#### THE DEGREE OF MASTER OF ARTS

Upon the satisfactory completion of the graduate requirements of Columbian College, the degree of Master of Arts is conferred.

#### DEFINITION OF THE MASTER'S WORK

The purpose and function of study leading to the degree of Master of Arts is to give the student a comprehensive survey of a field of knowledge. This study involves the continuation of the cultural elements provided for in the undergraduate major and a greater acquaintance with scholarly methods.

The basis for granting the degree is the completion of a consistent plan of study, as demonstrated by the successful passing of a written examination (together with such other examinations involving special skills or techniques as the department or the division may require) and by the presentation of a satisfactory thesis.

The student must satisfy certain minimum requirements as to previous preparation, residence, ability to read an approved foreign (European) language, and courses taken; but these requirements, while essential, are regarded primarily as qualifying measures. The student's knowledge of his field, as demonstrated by his thesis and by the results of his Master's examination, constitutes the fundamental evidence of his worthiness to receive the Master's degree of The George Washington University.

#### ADMISSION

For a statement of admission requirements, see pages 105 and 106.

#### RESIDENCE

An academic year of residence is required, i.e., completion of a minimum of thirty semester-hours of work including the thesis, which is counted as the equivalent of six semester-hours of course work. Sum-

mer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than twenty-seven weeks. Not more than twelve semester-hours (which must be approved in advance by the Dean of Columbian College) may be taken in another School or Division of this University, and such work may not be counted toward both a degree in that School or Division and the Master's degree in Columbian College. No part of the minimum requirement may be taken elsewhere. All work for the degree of Master of Arts shall be completed within a maximum of three years, unless the Dean's Council considers the circumstances so unusual as to justify an extension of time.

#### SCHOLARSHIP

A student whose scholarship is unsatisfactory may be suspended by the Dean upon recommendation of the division under which the student is working. Regarding the system of grading, see pages 78-79.

#### PROGRAM OF STUDY

The student's program of study shall be outlined in detail at the beginning of his work, and one copy of the program shall be given to the student, one retained by the adviser, and one filed in the Office of the Registrar. Each program is subject to the approval of the department or division. Programs may be revised as occasion requires, but revisions shall be made from the point of view of the program as a whole, and copies of the revised program distributed as in the case of the original program.

A student who expects to continue his studies for the degree of Doctor of Philosophy after receiving the Master's degree is strongly advised so to plan his program from the beginning that work for the lower degree may help to prepare him for the higher.

For a statement of requirements under the new plan of study, see page 114.

Particular attention is called to the statement of graduation requirements on pages 79-80.

#### ADMISSION TO CANDIDACY

A student shall be admitted to candidacy, at the discretion of the department and the division concerned, before he begins the last half of his work for the Master's degree. Application for admission to candidacy is made on a form obtained at the Office of the Registrar, and must be approved by the appropriate representative of the division and by the Dean. If a prospective candidate, in his previous academic work, has not substantially satisfied the prerequisites for the Master of Arts study, as defined by his major department or division, he will not be admitted to candidacy until such deficiency has been made up.



Before being admitted to candidacy the student must also show that he has a reading knowledge (certified by the appropriate foreign-language department) of at least one modern foreign (European) language, which shall be selected by the division under which he is studying. Examinations in modern foreign languages will be given on Saturday, October 1, Saturday, February 11, and Saturday, May 6, at 2 P.M. In exceptional circumstances the respective departments will arrange for examinations at other times.

#### THE MASTER'S THESIS

The thesis may be of a research, expository, critical, or creative type. The main purpose of a Master's thesis is to demonstrate the student's ability to make independent use of the information and training acquired through his other disciplines, and to furnish objective evidence of his constructive powers in his chosen field. The thesis must be registered for not later than the beginning of the final year of preparation unless the professor in charge of the thesis permits registration at the beginning of the final semester. For this purpose the nine weeks' term of the Summer Sessions is considered a semester. The choice of the thesis subject must be approved by the professor in charge of the major and recorded in the Office of the Registrar by the date announced in the University calendar. Registration for the thesis is ordinarily made on the basis of three semester-hours for two successive semesters. In exceptional cases, and with the approval of the professor in charge of the thesis, the entire six semester-hours may be registered for during a single semester. The typewritten thesis in its final form must have the approval of the professor in charge of the major and of the Educational Committee of the division concerned, and must be presented to the Dean by the student not later than the date announced in the University calendar. Requirements regarding the form of the thesis are stated on page 81.

Payment of tuition for the thesis will entitle the candidate, during the academic year of registration, to the advice and direction of the member of the Faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year may be granted without further tuition payment. If the preparation of the thesis extends beyond the two-year period, it must be registered for again, and tuition paid on the same basis as for a repeated course.

#### THE MASTER'S EXAMINATION

In addition to such other examinations as may be required, candidates must pass a general written examination on the major subject. The provisions of the new plan for undergraduate majors, as far as they concern the general examination for the major, also apply to the Master's examination.

## THE GRADUATE COUNCIL

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University; Chairman of the Graduate Council.*

#### STAFF OF INSTRUCTION

- Paul Bartsch, Ph.D., Sc.D., *Professor of Zoology.*  
George Neely Henning, A.M., Litt.D., *Professor of Romance Languages.*  
William Carl Ruediger, Ph.D., *Professor of Education.*  
Ray Smith Bassler, Ph.D., Sc.D., *Professor of Geology.*  
DeWitt Clinton Croissant, Ph.D., *Professor of English.*  
Thomas Benjamin Brown, Ph.D., *Professor of Physics.*  
William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law.*  
George Bain Jenkins, M.D., *Professor of Anatomy.*  
Charles Sager Collier, A.B., LL.B., S.J.D., *Professor of Law.*  
Henry Grattan Doyle, A.M., *Professor of Romance Languages.*  
Robert Fiske Griggs, Ph.D., *Professor of Botany.*  
John Donaldson, Ph.D., *Professor of Political Economy.*  
Joseph Hiram Roe, Ph.D., *Professor of Biochemistry.*  
George Byron Roth, A.B., M.D., *Professor of Pharmacology.*  
Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry.*  
Edward Henry Sehrt, Ph.D., *Professor of German.*  
Robert Whitney Bolwell, Ph.D., *Professor of American Literature.*  
\*William Cullen French, Ph.D., *Professor of Education.*  
James Henry Taylor, Ph.D., *Professor of Mathematics.*  
Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking.*  
Earl Baldwin McKinley, A.B., M.D., *Professor of Bacteriology.*  
Errett Cyril Albritton, A.B., M.D., *Professor of Physiology.*  
Vincent du Vigneaud, Ph.D., *Professor of Biochemistry.*  
Edward Bright Vedder, A.M., M.D., Sc.D., *Professor of Experimental Medicine.*  
Elmer Louis Kayser, Ph.D., *Professor of European History.*  
Donnell Brooks Young, Ph.D., *Professor of Zoology.*  
George Gamow, Physics D., *Professor of Theoretical Physics.*

\* On sabbatical leave second semester 1938-39.

- Edward Teller, Ph.D., *Professor of Physics.*  
 Frank Mark Weida, Ph.D., *Professor of Statistics.*  
 Warren Reed West, Ph.D., *Professor of Political Science.*  
 Lowell Joseph Ragatz, Ph.D., *Professor of European History.*  
 \*Francis Edgar Johnston, Ph.D., *Professor of Mathematics.*  
 Leland Wilbur Parr, Ph.D., *Professor of Bacteriology.*  
 Mitchell Dreese, Ph.D., *Professor of Educational Psychology.*  
 William Crane Johnstone, Jr., Ph.D., *Professor of Political Science.*  
 Cecil Knight Jones, Litt.B., *Adjunct Professor of Spanish American Literature.*  
 Ralph Edward Gibson, Ph.D., *Adjunct Professor of Chemistry.*  
 Joseph Quincy Adams, Ph.D., Litt.D., *Adjunct Professor of English.*  
 William Webster Diehl, Ph.D., *Adjunct Professor of Mycology.*  
 Alva Curtis Wilgus, Ph.D., *Associate Professor of Hispanic American History.*  
 Paul William Bowman, Ph.D., *Associate Professor of Biology.*  
 Chester Elwood Leese, Ph.D., *Associate Professor of Physiology.*  
 Christopher Browne Garnett, Jr., Ph.D., *Associate Professor of Philosophy.*  
 Wood Gray, Ph.D., *Associate Professor of American History.*  
 Arthur Edward Burns, Ph.D., *Associate Professor of Economics.*  
 Carl Douglas Wells, Ph.D., *Assistant Professor of Sociology.*  
 Edward Albert Chapin, Ph.D., *Research Associate in Zoology.*  
 Shio Sakanishi, Ph.D., *Research Associate in Political Science.*

## THE CHAIRMAN'S COUNCIL†

1939

Henry Grattan Doyle  
 William Cullen French  
 Robert Fiske Griggs

1940

George Neely Henning  
 Colin Mackenzie Mackall  
 Edward Bright Vedder

1941

John Donaldson  
 Donnell Brooks Young  
 Arthur Edward Burns

\* On sabbatical leave 1938-39.

† The President of the University is a member ex officio of the council.



## GENERAL INFORMATION

### PURPOSE

The purpose of the Graduate Council of The George Washington University is to create a fellowship between the Masters of Research in the various fields and the students who have apprenticed themselves to these Masters, and through this fellowship to foster a creative spirit in the graduate studies leading to the degree of Doctor of Philosophy. The basic conception of this degree is the attainment of a mastery of related fields of knowledge, achieved without regard to specific courses of instruction and culminating, through original research, in a contribution to knowledge. It is hoped that in the development of this program the historical relationship of master and apprentice may be revived. In keeping with this idea a student, after satisfying certain requirements, is responsible solely to the Master under whom he has signified his desire to work.

### APPLICATION TO UNDERTAKE DOCTORATE DISCIPLINES

A student wishing to undertake work under the Graduate Council must possess an adequate academic preparation for advanced study in the proposed field, as evidenced by satisfactory Bachelor's and Master's degrees, or their equivalent, together with acceptable personal qualities and capacity for creative work.

After an applicant's credentials have been filed with the Director of Admissions of the University, the Chairman of the Graduate Council will appoint a Consultative Committee (usually composed of five members), which will evaluate the records submitted and interview the applicant. The applicant will then meet the Personnel Committee of the Graduate Council. When the recommendations of the Consultative and Personnel Committees have been presented, the Graduate Council will act upon the application for candidacy for Fellowship in the Graduate Council.

### CANDIDACY FOR FELLOWSHIP

If accepted, the candidate must demonstrate his ability to read French and German and must satisfy such other prerequisites for advanced study as shall be specified by the Consultative Committee. The necessary examinations will be arranged by the Chairman of the Graduate Council.

The Consultative Committee will, after consultation with the candidate, designate a program of study in the several fields of learning on which the candidate must stand examination as a part of the requirements for admission to Fellowship in the Graduate Council. These fields of learning will be selected from any of the following "divisions": (1) the

*Division of Languages and Literatures*, which comprises the Departments of Classical Languages and Literatures, English, Germanic Languages and Literatures, and Romance Languages and Literatures; (2) *the Division of Mathematics and the Physical Sciences*, which comprises the Departments of Biochemistry, Chemistry, Mathematics, Pharmacology, Physics, and Statistics; (3) *the Division of the Natural Sciences*, which comprises the Departments of Anatomy, Bacteriology, Biology, Botany, Geology, Neurology, Pathology, Physiology, Psychology, and Zoology; (4) *the Division of the Social Sciences*, which comprises the Departments of Business Administration, Economics, Education, History, Law, Philosophy, Political Science, Public Speaking, and Sociology.

The candidate will be directed by his Consultative Committee throughout the entire period of preparation for this Council Fellowship examination.

#### THE COUNCIL FELLOWSHIP EXAMINATION

Upon application of the Consultative Committee the Chairman of the Graduate Council will set a date for the Council Fellowship examination and appoint an Examining Committee, composed of the members of the Consultative Committee and at least two other members of the Graduate Council. The Council Fellowship examination will be a written examination, conducted during a period of one week. The candidate, in consultation with the Chairman of the Graduate Council, will have designated the Master with whom he wishes to undertake research if admitted as a Fellow. If he is successful in the Council Fellowship examination and is accepted by the Master, the candidate will be nominated to the Graduate Council for election as a Fellow.

#### FELLOWSHIP IN THE GRADUATE COUNCIL

When a student has been admitted as a Fellow of the Graduate Council, his Consultative Committee will be discharged and he will become responsible to his Master alone for the development of his field, the selection of a thesis subject, and the preparation of his thesis. He will be formally inducted into Fellowship, which carries with it the privilege of membership in the Graduate Council, including participation in its general meetings, and unrestricted use of all the academic facilities of the University. The Master may refer the Fellow to other institutions for special study, under arrangements made by the Council.

#### THE THESIS

Not later than the date specified in the University calendar the Fellow must submit to the Chairman of the Graduate Council one typewritten original and two legible carbon copies of his thesis in its final form and

also a typewritten summary of the thesis consisting of not more than 2,500 words. Requirements regarding the form of the thesis are stated on page 81.

The summaries of accepted theses will be printed in a volume forming a number of the University BULLETIN. The successful candidate for the doctorate is required, before receiving his degree, to pay a fee to cover the expense of printing the summary of his thesis.

#### THE FINAL EXAMINATION

After the presentation of the Fellow's thesis, the Chairman of the Council, upon application of the Master, will set the date of the final examination and appoint the Final Examination Committee. The examiners will include at least five members of the Graduate Council other than the Master, and at least two qualified experts in the Fellow's special field from other institutions of research. The Master will present the Fellow to the examining committee. In this final examination, which will be oral, the Fellow will defend his thesis in relation to the field of learning in which it lies. The examination will be public.

#### THE DEGREE OF DOCTOR OF PHILOSOPHY

If the Fellow satisfies this committee in respect to the high quality of his contribution to knowledge and his mastery of the field, he will be recommended by the committee to the Graduate Council and, if approved, nominated by the Council to the Board of Trustees of the University for the degree of Doctor of Philosophy.

#### FEEES AND FINANCIAL REGULATIONS

For information regarding fees and financial regulations, see pages 60-64.

#### TEACHING FELLOWSHIPS AND LOAN FUNDS

Teaching fellowships are available in the Departments of Bacteriology, Biochemistry, Botany, Chemistry, Economics, History, Physics, Psychology, and Zoology. Details regarding qualifications and application for these fellowships will be found on page 65.

For particulars regarding loan funds, see pages 75-76.

#### GENERAL REGULATIONS

*Candidates and Fellows in the Graduate Council are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 53-64 and 77-82.*

#### CHANGE OF ASSIGNMENT AND WITHDRAWAL

A candidate or Fellow desiring to change his assignment must secure the permission of the Chairman of the Graduate Council. In case of



withdrawal from the University, prompt notice should be sent to the Chairman of the Graduate Council.

#### RIGHT TO DROP STUDENTS

The right is reserved to drop any student whenever, in the interest of the student or the University, the Graduate Council deems it advisable to do so.

#### COURSES OF INSTRUCTION

Ordinarily courses of instruction are assigned by the Consultative Committee only to make up deficiencies. The descriptions of courses will be found in alphabetical order, beginning on page 201.

## THE SCHOOL OF MEDICINE

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Earl Baldwin McKinley, A.B., M.D., *Dean of the School of Medicine.*

Walter Andrew Bloedorn, A.M., M.D., *Assistant Dean of the School of Medicine; Medical Director of the University Hospital.*

---

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William Thornwall Davis, M.D., *Professor of Ophthalmology.*

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Joseph Hiram Roe, Ph.D., *Professor of Biochemistry.*

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Charles Augustus Simpson, M.D., *Professor of Dermatology and Syphilology.*

George Byron Roth, A.B., M.D., *Professor of Pharmacology.*

Walter Freeman, Ph.D., M.D., *Professor of Neurology.*

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Earl Baldwin McKinley, A.B., M.D., *Professor of Bacteriology.*

Radford Brown, M.D., *Professor of Obstetrics and Gynecology.*

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William Johnston Mallory, A.M., M.D., *Consultant in Medicine.*  
Francis Randall Hagner, M.D., *Consultant in Urology.*  
Charles Augustus Simpson, M.D., *Consultant in Dermatology.*  
William Thornwall Davis, M.D., *Consultant in Ophthalmology.*

GENERAL INFORMATION

INTRODUCTORY

The School of Medicine of The George Washington University, the eleventh medical school established in the United States, opened in March 1825. The University Hospital and Dispensary were established in 1898 and made a part of the organization of the School.

The School is a member of the Association of American Medical Colleges and is one of the medical colleges which have been designated continuously as "class A" by the American Medical Association. The degrees of the School of Medicine are recognized by all State examining boards.

LOCATION AND ADVANTAGES

The city of Washington, with more than a half-million inhabitants, provides ample clinical material. The University Hospital and Dispensary furnish clinical facilities and a large proportion of the materials studied in the courses in Pathology and Clinical Microscopy.

The Library of the Surgeon General's Office of the United States Army is the most complete general medical library in the world. In addition to its great collections of medical works, all leading medical periodicals of the world are available. This Library, as well as the Library of Congress, the Public Library, and the many excellent libraries of the various Government departments, is open to medical students.

The Army Medical Museum affords opportunity for studying the conditions met in military and general medicine and surgery. Its collection of anatomical and pathological specimens is unequaled by any other museum in this country. The Museum of Hygiene, the National Museum,

the Smithsonian Institution, the Botanic Gardens, and the Department of Agriculture all afford opportunities for study in Medicine and its allied sciences.

#### EQUIPMENT

*Medical School Building.*—The building housing the School of Medicine is a modern, five-story structure with lecture rooms and classrooms, laboratories, and students' rooms, equipped with modern improvements. A four-story laboratory building is adjacent to the main medical building.

*Laboratories.*—The major laboratories are for Anatomy, Histology and Embryology, Bacteriology, Hygiene and Preventive Medicine, Biochemistry, Pathology, Pharmacology and Physiology, and Clinical Microscopy. They are fully equipped to enable students to pursue adequately the laboratory courses and to acquire the technical skill necessary in modern clinical and investigative work.

*Medical Library.*—The Library contains a selected reference collection of more than 3,000 volumes, and provision is made to add to it the important new medical works. The principal medical periodicals are received regularly.

For purposes of advanced study and research the Library of the Surgeon General of the Army is available to all students and teachers through a service maintained by the Medical School Library.

#### CLINICAL FACILITIES

*The University Hospital and the University Dispensary.*—The Hospital and Dispensary are part of the educational equipment of the University. They are adjacent to the School of Medicine and are controlled by the Faculty of Medicine. The Dispensary has a large out-patient service in all departments, to which several thousand visits are made annually. The Faculty believes that clinical teaching should be thoroughly systematized. To this end, all clinics are under the supervision of the Assistant Dean, who is also Medical Director of the Hospital. This insures the highest possible utilization of available clinical material for teaching purposes and the proper supervision of clinicians and students; it brings the individual student into direct contact with patients and requires him to do under authoritative supervision the clinical and laboratory work necessary for diagnosis and treatment; and it permits proper interpretation of the conditions occurring during the progress of cases and promotes the keeping of adequate records. Clinical and clinicopathological conferences are held in which the history of cases, the physical findings, laboratory records, and the post-mortem pathology when available, are presented and correlated. The Assistant Dean assigns the students to the different clinics, and supervises the records, the attendance, and the instruction of students. Third-year students are assigned in rotation by sections for clinical instruction in the Dispensary.

*Gallinger Municipal Hospital.*—Clinical instruction is available in all branches of Medicine. A great wealth of clinical material is afforded in this hospital by ordinance of the municipal authorities of the District of Columbia, whereby one half of the patients are assigned for treatment and clinical teaching to members of the Faculty of this School, nominated by this University.

*Children's Hospital.*—Clinical instruction in Pediatrics, Dermatology, and General and Orthopedic Surgery.

*Emergency Hospital and Central Dispensary.*—Clinical instruction in Medicine, Surgery (particularly in emergency surgery, fractures, and dislocations), Dermatology, and Orthopedics.

*Garfield Memorial Hospital.*—Clinical instruction in Urology, Gynecology, and Obstetrics.

*St. Elizabeths Hospital.*—Clinical instruction in mental and nervous diseases, Medicine, Surgery, post-mortem work, and Gross Pathology. This hospital, with four thousand beds, is maintained by the United States Government. The psychiatric clinic is one of the largest in the world.

*The Episcopal Eye, Ear, Nose, and Throat Hospital.*—Clinical instruction in Ophthalmology, Otology, Rhinology, and Laryngology.

#### RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY, MEDICAL UNIT

A Medical Unit of the Reserve Officers' Training Corps is established in this School by authority of the Secretary of War, and an officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the students in the unit.

Membership in the Unit is voluntary and is open to any physically fit male student who is a citizen of the United States. The instruction is divided into two courses, the basic and the advanced, two years each. Students who satisfactorily complete the basic course may, up to the quota allowed by the Department of War, and if they choose, enter the advanced course. Students who enter the advanced course receive pay from the Government amounting to approximately \$200. They are obligated to complete the course and to attend one summer camp of instruction for six weeks, for which the students will receive pay at the rate of \$21 a month and travel allowances, and for which they will be provided with all camp equipment, uniforms, and medical attention. Students who successfully complete the course are recommended for commission in the Medical Section, Officers' Reserve Corps, provided they desire appointment. Graduates may, after completion of one year's internship in a civil hospital, compete in the examinations held yearly for appointment as first lieutenant in the Medical Corps of the Regular Army.



## ADMISSION

The minimum requirement for admission is two years of college work, totaling at least sixty semester-hours, taken in an accredited college of arts and sciences.

Students planning to complete premedical-college work in The George Washington University and later make application to the George Washington University School of Medicine must complete all the requirements for the Junior Certificate granted by the Junior College.

## SPECIFIC EDUCATIONAL REQUIREMENTS

## SECONDARY-SCHOOL REQUIREMENTS

Of the fifteen secondary-school units required, three must be in English, two in one foreign language (ancient or modern), one in Algebra, one in Geometry, one in History, and one in Science (Botany, Chemistry, Physics, or Zoology). Eleven of the units offered must be in English, foreign language, Mathematics, Science, and History. No candidate will be accepted with any condition in secondary-school work.

## PREMEDICAL-COLLEGE REQUIREMENTS

*Sixty Semester-Hours*

1. Chemistry, twelve semester-hours as follows: (a) eight semester-hours of General Inorganic Chemistry, of which at least four semester-hours are laboratory work (Qualitative Analysis may be counted as General Inorganic Chemistry); (b) four semester-hours of Organic Chemistry, of which two semester-hours are laboratory work. It is strongly recommended, however, that an additional four semester-hours of Organic Chemistry be taken.

2. Physics, eight semester-hours, of which at least two semester-hours are laboratory work. It is recommended that this course be preceded by one in Trigonometry.

3. Biology, eight semester-hours, of which at least four semester-hours are laboratory work. This requirement may be satisfied by a course of eight semester-hours in either General Biology or Zoology, or by a course of four semester-hours each in Zoology and Botany, but not by Botany alone.

4. English composition and literature, six semester-hours: the usual introductory college course, or its equivalent. The student should develop facility in speaking and writing English.

5. Modern foreign language: a reading knowledge, preferably of French or German.

6. Electives. It is recommended that the remaining semester-hours required include: (a) Comparative Vertebrate Anatomy; (b) Qualitative and Quantitative Chemistry; (c) Social Science and Psychology.

No student will be accepted with any condition in college work.

#### APPLICATION FOR ADMISSION

1. Forms upon which to submit records of secondary-school and college work will be furnished on request.

All credentials submitted are to be made out by the proper school and college authorities and mailed by them to the Director of Admissions, The George Washington University, 2029 G Street NW., Washington, D.C. Photostat copies of credentials without the original signature of the certifying authority will not be accepted.

*Each form must cover only work done at the school or college which fills out the form.*

2. A recent photograph, with signature, is required of each applicant.

3. As the number of qualified applicants for admission to the School each year far exceeds its capacity, it is urged that, in order to facilitate consideration of their applications, candidates for admission secure from the schools and colleges attended completely compiled premedical credentials and forward them for evaluation as long a time as possible before the opening of the School of Medicine in September.

4. A fee of \$3 to defray the costs of completing the records for final consideration for admission must accompany each application.

#### ADVANCED STANDING

Students who have satisfactorily attended one or more years at any other "class A" medical school, and who have the necessary preliminary educational requirements, may be admitted to advanced standing. No student, however, will be admitted to advanced standing in the senior class.

#### LEGAL STANDARDS

The laws relating to the preliminary educational qualifications required of physicians differ in many of the States, but candidates are advised that if they meet the premedical and other requirements of this School they will be able to comply with the legal demands of all State examining boards in the United States.

#### REGISTRATION AND ADMISSION TO CLASSES

Registration in the School of Medicine is for a period of one year. After the student has entered the courses of instruction he is obligated for the full tuition for the year. No part of the tuition will be refunded upon withdrawal or dismissal for any cause. Acceptance by the School of a student's fees does not in any way obligate the School to accept the student for any subsequent year, and the right is reserved to drop any student from the School whenever, in the interest of the student or the School, the Faculty deems it advisable to do so.

Students are admitted to classes on presentation of the Comptroller's ticket, which is issued when all required fees have been paid.

## FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 60-64.

Fees for each semester (including the University fee) are \$275,\* payable in advance.

All fees are payable at the Office of the Comptroller of the University, 725 Twenty-first Street NW. Fees due must be paid at the time of registration; no student is permitted to complete registration or to attend classes until fees are paid.

On account of the many applications for admission, and as the size of the freshman class is limited, places can be reserved only for those qualified applicants who remit a deposit of \$100, which will be credited toward the tuition of the first semester. Should unusual circumstances arise whereby the matriculant is unable to attend, this initial payment, less a charge of \$50 for registration, transfer, etc., will be returned up to one month before the opening of the session.

Students will be required to pay for injury to apparatus and other University property. All breakage and loss not directly traceable to an individual student are assessed pro rata. Each student is required, at the completion of laboratory courses, to replace or pay for all articles of equipment which he has lost, broken, or destroyed. Credit for work will not be given until this is done.

## COST OF TEXTBOOKS AND STUDENT EQUIPMENT

The minimum cost of necessary textbooks and student equipment (microscope, drawing materials, glass slides, clinical thermometer, stethoscope, hemocytometer, etc.) is approximately as follows: first year, \$150; second year, \$87; third year, \$60; fourth year, \$60; total, \$357.

## SCHOLARSHIPS, PRIZES, LOAN FUNDS

The John Hitz Metzgerott Scholarship is available to students in the School of Medicine.

The Ordronaux Prize of \$80 is awarded to the member of the graduating class of the School of Medicine who has completed the four-year medical course with the highest scholastic standing.

The following loan funds are available to students in the School of Medicine: Daughters of the American Revolution Loan Fund and the Henry Strong Educational Foundation Loan Fund.

For particulars regarding scholarships, prizes, and loan funds, see pages 66-76.

\*Students who were registered during 1935-36 will continue to pay tuition fee of \$484 per annum.



## DEPARTMENTS OF INSTRUCTION

The work of the School is organized under the following departments: Anatomy; Bacteriology, Hygiene, and Preventive Medicine; Biochemistry; Dermatology and Syphilology; Experimental Medicine; Medicine; Military Science and Tactics; Neurology; Obstetrics and Gynecology; Ophthalmology; Oto-rhino-laryngology; Pathology; Pediatrics; Pharmacology and Therapeutics; Physiology; Psychiatry; Surgery; and Urology.

### CLINICS

Courses of clinical instruction are included in the announcements of the clinical departments. The Assistant Dean prepares schedules of clinics and of student section assignments to the various hospitals and dispensaries.

## GENERAL REGULATIONS

*Students in the School of Medicine are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 53-64 and 77-82.*

### ATTENDANCE

Absence consists in being away from a class or clinic during a scheduled period, entering after the class or clinic has begun, or leaving before either is dismissed.

Absence is not allowed unless an excuse is obtained from the Dean or the instructor.

Excuse for absence due to sickness must be accompanied by a certificate signed by the attending physician and must be filed in the Office of the Dean.

For every unexcused absence a department will deduct one half of one per cent from the student's final grade in the subject involved.

### GRADES

Proficiency in all subjects is marked on a basis of *A* (90-100); *B* (80-90); *C* (75-80); *D* (65-74), condition; *E* (below 65), failure; *I*, incomplete. The passing grade in each subject is *C*.

### ADVANCEMENT

Any student who has satisfactorily completed the required work of the first, second, or third year of the course and has passed all examinations is eligible for advanced standing, if approved by the Committee on Scholarship. No student may be enrolled for the clinical work of the third and fourth years without first having qualified in all the preclinical sciences.

**FAILURE**

A student who has failed in any subject will not be advanced until such failure is removed and then only by authority of the Committee on Scholarship. All conditions must be removed at the next make-up examination period provided for this purpose.

**EXAMINATIONS**

Examinations, which may be written, oral, or practical, will be held at the end of the first semester and at the end of the academic year.

A student who fails to appear at a regularly scheduled final examination will not be examined until the next regular examination, except by special permission of the Committee on Scholarship. For make-up examinations to remove conditions, a fee of \$5 will be charged for each subject.

**SPECIAL UNDERGRADUATE AND GRADUATE ADVANTAGES  
IN THE SCHOOL OF MEDICINE**

The payment of the University fee, charged all students, entitles them to certain health services described under the Department of Health Administration, page 257. Payment of this fee also secures for students certain student-activity privileges, which are explained on page 61.

**PHYSICAL EXAMINATIONS**

All first-year students are given a comprehensive physical examination by the Department of Health Administration upon admission to the School of Medicine. The students are informed of the findings and advised regarding such measures as will tend to maintain a high standard of health.

**HOSPITAL APPOINTMENTS**

Interns are appointed annually in the University Hospital. Similar appointments are made to graduates and undergraduates of this School in the following hospitals of the District: Casualty Hospital; Children's Hospital; Columbia Hospital for Women; Emergency Hospital; Episcopal Eye, Ear, Nose, and Throat Hospital; Gallinger Municipal Hospital; Garfield Memorial Hospital; Providence Hospital; St. Elizabeths Hospital; Sibley Hospital; Tuberculosis Hospital; and Walter Reed United States Army General Hospital.

Students who, after graduation, desire internships in hospitals outside the District of Columbia should apply directly to the institutions which they wish to enter. A list of hospitals approved for intern training is published annually in the *Journal of the American Medical Association*, and a copy of the list may be consulted in the Office of the Dean.

COMMISSION ON LICENSURE, DISTRICT OF COLUMBIA

Graduates who wish to take the examinations of the Commission on Licensure, District of Columbia, or desire to use the District license for reciprocity with the States, should apply to the Secretary, Commission on Licensure, Healing Arts Practice Act, District Building, Washington, D. C.

UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905. All alumni and members of the Faculty are eligible for membership on election. Meetings of the Society are held in the School of Medicine on the third Saturday evening of each month from October to May. Senior students may be invited to attend the meetings of this society.

COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 201.

THE DEGREE OF DOCTOR OF MEDICINE

Upon the satisfactory completion of the requirements of the School of Medicine, the degree of Doctor of Medicine is conferred. The degree of Doctor of Medicine given by this University is recognized by all State examining boards in the United States.

REQUIREMENTS FOR THE DEGREE

Every candidate for graduation with the degree of Doctor of Medicine must be at least twenty-one years of age, of reputable character, and free of all indebtedness to the University. He must have satisfied the admission requirements, completed satisfactorily not less than four years of study as a matriculated student in Medicine, completed all required courses, and passed satisfactorily all prescribed examinations. *Particular attention is called to the statement of graduation requirements on pages 79-80.*

COMBINED ARTS AND MEDICINE CURRICULUM

Candidates register in the Junior College for the freshman and sophomore years of the premedical curriculum and in Columbian College for the junior year. In order to be recommended for the degree of Bachelor of Arts, candidates must complete at least ninety-four semester-hours of prescribed college work including Physical Education (at least thirty semester-hours and one year of residence must be completed in Columbian College), and the first year of the medical curriculum. Upon com-



pletion of the fourth year in the medical curriculum the student becomes eligible for the degree of Doctor of Medicine.

#### PLAN OF INSTRUCTION

Each year of the medical curriculum is divided into two semesters of sixteen weeks each. The curriculum for the degree of Doctor of Medicine must begin with the fall semester.

Under the order of the work there is a coordination in the offerings of the several departments which enables the student to concentrate his attention upon the subject materials in such a way that they can be readily understood and recognized as integrated parts of a unified training. The salient features in the method of instruction are thorough laboratory training, demonstrations, and clinical teaching, with recitations and lectures to clarify the many problems presented. The clinical material in the various hospitals and out-patient departments is utilized to the fullest extent for both clinical instruction and laboratory work.

#### HONORS

Candidates who have completed the four-year medical course with an average grade of *A* may be recommended for graduation "with distinction".

## THE LAW SCHOOL

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Dean of the Law School.*

### STAFF OF INSTRUCTION

John Wilmer Latimer, LL.B., *Professor of Law.*

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law.*

Charles Sager Collier, A.B., LL.B., S.J.D., *Professor of Law.*

Hector Galloway Spaulding, B.S., LL.B., S.J.D., *Professor of Law.*

Walter Lewis Moll, A.B., LL.B., S.J.D., *Professor of Law.*

Joseph Winston Cox, LL.B., *Adjunct Professor of Law.*

Lloyd Hall Sutton, B.S., LL.B., *Adjunct Professor of Law.*

Spencer Gordon, A.B., LL.B., *Adjunct Professor of Law.*

Conway Peyton Coe, A.B., LL.B., *Adjunct Professor of Law.*

Levi Russell Alden, A.M., LL.B., *Adjunct Professor of Law.*

Gilbert Lewis Hall, A.B., LL.B., *Adjunct Professor of Law.*

\*William Thomas Fryer, A.B., LL.B., J.D., *Associate Professor of Law.*

Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Associate Professor of Law.*

Carville Dickinson Benson, Jr., A.B., LL.B., S.J.D., *Associate Professor of Law.*

James Forrester Davison, A.B., LL.M., S.J.D., *Associate Professor of Law.*

John Albert McIntire, A.B., LL.B., *Associate Professor of Law.*

William Randall Compton, M.B.A., LL.B., J.S.D., *Assistant Professor of Law.*

Chester Charles Ward, B.S., LL.M., *Assistant Professor of Law.*

Clarence Altha Miller, LL.M., *Lecturer in Law.*

James Oliver Murdock, Ph.B., LL.B., *Lecturer in Law.*

James Robert Kirkland, A.B., LL.M., *Lecturer in Law.*

Frank Lawrence Mechem, Ph.B., LL.B., *Lecturer in Law.*

Justin Lincoln Edgerton, A.B., LL.B., *Associate in Law; Clerk of the Moot Court.*

\* On sabbatical leave first semester 1938-39.

## MOOT COURT OF APPEALS

Brainard Warner Parker, LL.B., *Chief Justice.*  
 George Francis Williams, LL.M., *Associate Justice.*  
 Paul Edgar Lesh, LL.M., *Associate Justice.*

## COMMITTEES\*

## THE DEAN'S COUNCIL †

Carville Dickinson Benson, Jr.	John Albert McIntire
Charles Sager Collier	Walter Lewis Moll
William Randall Compton	Saul Chesterfield Oppenheim
James Forrester Davison	Hector Galloway Spaulding
William Thomas Fryer	Chester Charles Ward

## COMMITTEE ON LIBRARY

James Forrester Davison, *Chairman*  
 Carville Dickinson Benson, Jr.      Hector Galloway Spaulding  
 Charles Sager Collier      The Law Librarian

## COMMITTEE ON REINSTATEMENT

William Randall Compton, *Chairman*  
 Walter Lewis Moll      Chester Charles Ward

## COMMITTEE ON PROGRAMS FOR FACULTY MEETINGS

Charles Sager Collier, *Chairman*  
 John Albert McIntire      James Oliver Murdock

## ADVISERS ON REGISTRATION

Carville Dickinson Benson, Jr.	William Thomas Fryer
Charles Sager Collier	John Albert McIntire
James Forrester Davison	Saul Chesterfield Oppenheim
Hector Galloway Spaulding	

## GENERAL INFORMATION

## INTRODUCTORY

The George Washington University Law School, established in 1826, discontinued later, and reorganized in 1865, is the oldest in the District of Columbia. The course of instruction for the degree of Bachelor of Laws, originally requiring two years, was increased in 1898 to three years.

\* The President of the University and the Dean of the Law School are members ex officio of all committees.

† Elected by the Faculty.



A course leading to the degree of Master of Laws was added in 1877. In 1900 the School took part in the organization of the Association of American Law Schools and has been a member of the association since that time. In 1911 the School became coeducational. In 1924 the late-afternoon course for students with limited schedules was increased to four years. On September 1, 1925, the entrance requirements were increased to two years of college work; in 1937 they were increased to a college degree. The School is approved by the Council of Legal Education of the American Bar Association. Since September 1, 1925, it has occupied a new building, designed and constructed for its use. This building is named Stockton Hall in honor of the late Rear Admiral Charles Herbert Stockton, President of the University from 1910 to 1918.

#### THE LIBRARY

The Law School Library of 20,000 volumes contains the decisions of the highest courts of all the States, the reports of the United States Supreme Court and lower Federal courts, the English Reprint and English Law Reports, the United States Statutes, the statutes of all the States, the English statutes, the principal English and American digests, legal encyclopedias and collections of annotated cases, and the leading case books, textbooks, and legal periodicals.

The library is open from 9 A.M. to 11 P.M. each class day (Saturday, 9 A.M. to 6 P.M.), and from 2 to 6 P.M. on Sunday.

#### THE LAW REVIEW

*The George Washington Law Review*, published quarterly by the University, is edited by the Faculty and students of the Law School. It is devoted exclusively to the field of governmental and federal public law. The location of the University in the National Capital, where the primary sources of federal public law may be observed in operation, affords a unique opportunity for specialization in this field. Among the subjects included in this field are administrative law, admiralty, conflict of laws, constitutional law, government corporations, international law, interstate commerce, immigration, patents, copyrights, trade marks, taxation, trade regulation, tariff, radio law, and veterans' administration.

The editorial work of the *Review* is in charge of a Faculty editor-in-chief, a Faculty board of associate editors, a board of departmental advisory editors, and a board of student editors. The student editors are chosen each year from those students who have completed forty semester-hours or more with an average grade of B or better.

#### ADMISSION

For a statement of the general regulations and procedure for admission to the University, see pages 53-57.

Applications for admission and supporting certificates should be filed with the Director of Admissions not later than two weeks before the registration period.

#### FOR THE DEGREE OF BACHELOR OF LAWS

Candidates for this degree must have received, before admission, the degree of Bachelor of Arts or an equivalent degree from an approved college or university. The conferring of this degree must be evidenced by proper certificates.

#### ADVANCED STANDING

Advanced standing toward the degree of Bachelor of Laws may be granted for work successfully completed in other law schools which are members of the Association of American Law Schools. A student transferring from another approved law school with advanced standing must show that at the time he began the study of law at the other school he could have met the requirements then in force for admission to the Law School of The George Washington University.

Applicants for admission with advanced standing must file certified transcripts of record showing high-school, college, and law credits. The right is reserved to refuse such credit, in whole or in part, or to allow it conditionally or after examination, and credit given may be withdrawn for subsequent poor work. No student admitted with advanced standing will be recommended for the degree of LL.B. until he has completed in this School at least one full year of residence and passed successfully twenty-eight semester-hours with the required average for the degree. No student will be admitted who has been in attendance at another law school and who is ineligible, because of poor scholarship, to return to that school.

Students intending to attend summer-school sessions at other law schools and desiring to use credits obtained at such schools in their course at this Law School must first have the courses they wish to take approved by the Dean. In no event will credits be recognized in excess of those which might be obtained in a similar period in this School.

#### FOR THE DEGREE OF JURIS DOCTOR (J.D.)

Candidates for this degree must have received before admission the degree of Bachelor of Arts or an equivalent degree from an approved college or university.

Advanced standing for work in other law schools will not be granted toward the degree of Juris Doctor.

#### FOR THE DEGREE OF MASTER OF LAWS

Candidates for this degree must, at the time of their admission, have received the degree of Bachelor of Arts or an equivalent degree from an approved college or university and the degree of Bachelor of Laws or an equivalent degree from an approved law school.

#### UNCLASSIFIED STUDENTS

Persons eligible for admission to regular standing may, in the discretion of the Dean, be admitted as unclassified students, to courses aggregating not more than four hours a week.

#### UNIVERSITY STUDENTS IN THE LAW SCHOOL

A limited number of persons who cannot qualify as candidates for a degree in Law, but who are over twenty-five years of age and who because of their maturity, training, and experience seem qualified to pursue the study of Law, may be admitted to the Division of University Students. Candidates for admission as "university" students in Law must file written applications, setting forth their qualifications in detail, and letters and certificates to prove the facts stated therein as to their education and experience. Each application must first be submitted to the Faculty of the Law School and approved by them. Approval will be granted only in unusual cases where some special reason justifies admission. Work done by such university students will not be counted toward a degree.

#### REGISTRATION

Before attending classes each student must present himself in person for registration. No student will be registered in the Law School until proper credentials have been filed and approved by the proper officers of the University (see "Admission", above).

In a case in which a student is permitted to drop a year course at the end of the first semester he must register for the second semester of that subject not later than one calendar year from the time the attendance in the first semester was completed.

Registration is permitted at the beginning of either semester. Students beginning the study of Law in the second semester, however, may pursue only a limited schedule. Such students may pursue other first-year courses in the succeeding summer session.

Qualified students who are entitled to advanced standing on records from other approved law schools or who have completed courses at this Law School during former periods of attendance may register at the beginning of the second semester for subjects which commence at that time, but not for year subjects.



Registration days for the academic year 1938-39 will be Saturday, Monday, and Tuesday, September 24, 26, and 27, 1938, and Wednesday and Thursday, February 8 and 9, 1939. A late-registration fee of \$5 will be charged each student who is permitted to register after the regular registration days. No registration may be made for a semester subject after the first two weeks of a semester, or for a year subject after the first four weeks of the year.

Registration may be changed only with the permission of the Dean. For further information regarding registration, see pages 58-59.

#### FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 60-64.

#### SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University.

The following prizes are awarded annually in the Law School: Ellsworth Prize; Samuel Herrick Prize; John Bell Larner Prize; and the John Ordronaux Prize.

For further particulars regarding scholarships, prizes, and loan funds, see pages 66-76.

#### ORDER OF THE COIF

The Order of the Coif is a national honor society with chapters in thirty-three law schools, the purpose of which is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship". The George Washington University Chapter was established in 1926. Students are elected each year from the highest-ranking 10 per cent of the graduating class of the Law School.

#### GENERAL REGULATIONS

*Students in the Law School are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 53-64 and 77-82.*

#### AMOUNT OF WORK

A student who takes a majority of his courses in the full-time sections, from 9.10 A.M. to 1 P.M., may, with the permission of the Dean, take work not exceeding fifteen hours a week. For such students the minimum period of attendance is three academic years.

A student who takes a majority of his courses in the afternoon sections may not register for more than ten hours a week. For such students the minimum period of attendance is four academic years.

The amount of work carried by any student may be restricted when, in the judgment of the Dean, the best interests of the student require it.

#### ATTENDANCE

No student will be allowed credit in any subject unless he has been regularly registered and in regular attendance and has done all the work required in the course in that subject.

#### GRADES

The grade of a student in each subject is indicated by the letters *P* (55), pass, or *F* (below 55), failed. The meaning of these grades is as follows:

*P*, pass, means that the work has been successfully completed and full credit given for the subject.

*F*, failed, means that the work in the subject has been a failure and that no credit will be given. To obtain credit the student must repeat the subject; but a student who, in the work of the year, has received a grade of *F* in one subject only and obtained a general average of *C* may take the next regular examination in that subject, and if on such reexamination he obtains a passing grade he will be given credit in the subject with the grade thus obtained.

At the end of each academic year each student is given an average numerical grade for his work for the year. These numerical grades rank as follows: *A* (85-100), excellent; *B* (75-84), very good; *C* (65-74), good; *D* (60-64), poor; *U* (below 60), unsatisfactory.

The general average of a student shall include all the grades in all the subjects taken while he is in the Law School working for a particular degree. Where a subject has been repeated or a reexamination has been taken, both the first grade and the subsequent grade or grades shall be counted in the general average. A failure in a nonrequired subject shall also be counted.

#### EXAMINATIONS

Written examinations are held at the close of the first semester in subjects which are then completed and at the close of the second semester in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean. A student who, with the consent of the Dean, does not take the final examination in a subject with the class in which he is enrolled may take the next regular examination given in the subject.

No student shall be given an examination in, or permitted to receive credit in, less than an entire subject. In any case where a student is permitted to register for one semester only of a year subject, he may not take

the examination in that subject until the other semester has been completed.

No special examinations will be given; except that, upon written application to the Dean's Council, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would be entitled to take a postponed examination, may, in the discretion of the Dean's Council, be given a special examination not less than sixty days after the date of the one which he failed to take.

#### EXCLUSION AND PROBATION FOR POOR SCHOLARSHIP

Any student who during an academic year fails in two or more full-year subjects or the equivalent in half-year subjects shall be excluded. Any student not subject to exclusion under the foregoing rule who at the end of an academic year has failed to maintain a general average in all of his work of at least *C*, 65, will be on probation during the succeeding academic year. Students on probation may at the discretion of the Dean be required to reduce their programs of study. A student on probation will be excluded at the end of his probationary year unless he has made an average grade sufficient to give him a general average of at least *C* in all of the work since his admission to the School.

No student shall be put on probation or excluded on the work of one semester only or on the work of the Summer Sessions or as the result of a program of less than four hours a week during the academic year.

A student who has been excluded from the School under the above rules may be readmitted by the Committee on Reinstatement upon such conditions as that committee shall prescribe. Written application must be made to the committee setting forth the reasons for the reinstatement, and the applicant will be accorded an oral hearing if he so desires. Reinstatement will be granted only in special cases.

Students who have not applied to the Committee on Reinstatement, or who have been denied reinstatement by the committee, may be admitted to the regular examinations during the academic year next succeeding the year upon the work of which they have been dropped, in those subjects in which they have made a grade below passing, 55, and if such students receive a grade of passing in all of these subjects with an average sufficient to make their general average not less than 65, such students shall be reinstated at the beginning of the next academic year. Students who take these examinations for reinstatement are not eligible to be registered in the Law School or to attend classes during the year in which the examinations are taken.

#### CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of semester-hours of credit as follows: First year, to twenty-seven; second year, twenty-eight to fifty-five; third year, fifty-six or more.



## COURSES OF INSTRUCTION

The courses of instruction in Law are listed on pages 269-76.

## THE DEGREES

Upon the satisfactory completion of the requirements of the Law School, the degree of Bachelor of Laws, Juris Doctor, or Master of Laws is conferred.

### REQUIREMENTS FOR THE DEGREE OF BACHELOR OF LAWS

To be recommended for this degree a student must satisfy the admission, residence, and scholarship requirements and must complete the prescribed number of credits and required subjects.

#### RESIDENCE

The residence requirement for this degree is three academic years for full-time students or four academic years for students with limited schedules. A year's attendance in the late-afternoon classes for students with limited schedules is counted as residence for three fourths of a year. In the case of students admitted with advanced standing, at least one full year of this residence requirement must be spent in The George Washington University.

A student who at the end of any regular period of residence—the first semester, the second semester, or the summer session—has completed subjects which equal in semester-hours the total number of semester-hours required for the degree for which he is a candidate, but who has failed to complete the full residence requirements for that degree, must be in residence during additional periods sufficient to satisfy completely the residence requirements. In all such cases the student must be in residence during the entire period and must satisfy the attendance requirements of, and pass the examination in, at least one subject.

#### CURRICULUM

The credit requirement is eighty semester-hours. The course in Moot Court, Law 335-36, must be successfully completed.

#### PATENT LAW CURRICULUM

To provide training for students who plan to specialize in Patent Law, the courses in Substantive Patent Law, Patent Office Practice, and Patent Moot Court are offered as third-year electives. They may be counted toward the degree of Bachelor of Laws or Juris Doctor, or they may be taken by qualified students not candidates for a degree.

## SCHOLARSHIP

A general average of at least *C* (65) must be attained in the entire course for the LL.B. degree.

## HONORS

The degree of Bachelor of Laws or of Juris Doctor "with distinction" will be awarded students who obtain a general average of *A* in the work for the degree.

## REQUIREMENTS FOR THE DEGREE OF JURIS DOCTOR (J.D.)

To be recommended for this degree the student must have received the degree of Bachelor of Arts or an equivalent degree before beginning the study of Law. He must have completed a residence period of three academic years for full-time students or four academic years for students with limited schedules. He must have completed eighty semester-hours with a general average of at least *B* (75). He must have completed the courses in Moot Court and in Roman Law and Principles of the Civil Law, must have been elected to the board of student editors of *The George Washington Law Review* in accordance with the requirements laid down by the Faculty for such election, and must have done acceptable work as a member of the board for one academic year.

## REQUIREMENTS FOR THE DEGREE OF MASTER OF LAWS

Candidates for the degree of Master of Laws must complete twenty semester-hours of work in subjects not counted toward the degree of Bachelor of Laws.

This degree will not be conferred until one academic year after the candidate receives the degree of Bachelor of Laws. All requirements must be completed in a period not exceeding two years after registration for the work for the degree.

## SCHOLARSHIP

All courses taken for the Master's degree must be completed with a grade of at least *C* in each subject and a general average of not less than *B*.

## PLAN OF STUDY

No student will be permitted to register for second-year subjects unless first-year subjects have been taken or are being taken, and no registration for a third-year subject will be approved unless the second-year subjects have been taken or are being taken.

Registration will not be approved for a subject unless the prerequisites for that subject as shown in the course of instruction have been met.

#### HOURS OF INSTRUCTION

The regular course for full-time students is given from 9.10 A.M. to 1 P.M. Employed students may take the regular course in the classes held at 5.10 and 6.10 P.M.

#### SUMMER SESSIONS

Work is conducted in the Law School during the Summer Sessions of the University. This work is in two terms of six weeks each. The requirements for admission and the standards of work are the same as those of the two semesters of the regular academic year. Instruction is given by members of the regular Faculty and by teachers invited from other approved law schools. The Summer Sessions for 1938 will begin on June 13. The first term will end July 25. The second term will begin on July 26, and the Summer Sessions will end September 8. The following courses will be given: First term—Judicial Process, Contracts II, Conflict of Laws, and Government Corporations (including Municipal Corporations). In connection with the course in Government Corporations, there will be held during the last week of the term a symposium on Government Corporations. This will be a regular part of the course, but it may be attended by qualified senior or graduate students and by members of the bar. Second term—Torts, Domestic Relations, Administrative Law, and Security Transactions. Classes will meet in the late afternoon from 5.10 until 7. Four semester-hours' credit will be given for each subject completed.





## THE SCHOOL OF ENGINEERING

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*  
John Raymond Lapham, M.S., *Dean of the School of Engineering.*

### STAFF OF INSTRUCTION

John Raymond Lapham, M.S., *Professor of Civil Engineering.*  
Frank Artemas Hitchcock, M.S., C.E., *Professor of Civil Engineering.*  
Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry.*  
Edward Henry Sehr, Ph.D., *Professor of German.*  
Walter Lynn Cheney, Ph.D., *Professor of Physics.*  
Norman Bruce Ames, M.S., E.E., LL.B., *Professor of Electrical Engineering.*  
Arthur Frederick Johnson, M.E., *Professor of Mechanical Engineering.*  
James Henry Taylor, Ph.D., *Professor of Mathematics.*  
Harold Griffith Sutton, M.S., *Professor of Finance.*  
Merle Irving Protzman, A.M., *Associate Professor of Romance Languages.*  
Benjamin Carpenter Cruickshanks, B.S. in M.E., *Associate Professor of Mechanical Engineering.*  
Douglas Bement, A.M., LL.B., *Associate Professor of English.*  
Alfred Ennis, M.S., E.E., *Assistant Professor of Electrical Engineering.*  
Charles Edward Cook, B.S. in C.E., *Assistant Professor of Civil Engineering.*  
Howard Henry Koster, M.S. in M.E., *Assistant Professor of Mechanical Engineering.*  
Reinier Beeuwkes, Jr., B.S. in E.E., *Instructor in Civil Engineering.*  
Joseph Carl Oleinik, M.S., *Associate in Civil Engineering.*  
Edgar Stover Walker, B.S. in C.E., *Associate in Civil Engineering.*  
Thomas Alvin O'Halloran, B.S. in E.E., *Associate in Electrical Engineering.*  
William Hayward Dix, B.S. in E.E., *Associate in Electrical Engineering.*

### THE DEAN'S COUNCIL\*

1939

Benjamin Carpenter Cruickshanks  
Charles Edward Cook

1940

Frank Artemas Hitchcock  
Arthur Frederick Johnson

1941

Norman Bruce Ames  
Alfred Ennis

\* Elected by the Faculty. The President of the University and the Dean of the School of Engineering are members ex officio.

## GENERAL INFORMATION

## INTRODUCTORY

The School of Engineering was organized in 1884 under the name of the Corcoran Scientific School.

## ADMISSION

For a statement of the regulations and procedure for admission, see pages 53-57.

## REGISTRATION

For information and regulations regarding registration, see pages 58-59.

Before registration, schedules of new students must be approved by the Dean, and schedules of other students must be approved by the Executive Officer of the major Department.

## FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 60-64.

## SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University.

For particulars regarding scholarships, prizes, and loan funds, see pages 66-76.

## GENERAL REGULATIONS

*Students in the School of Engineering are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 53-64 and 77-82.*

## AMOUNT OF WORK

The normal program of studies for full-time students is set forth below under "Curriculum Requirements". Students with limited schedules are not allowed to carry more than nine semester-hours except by permission of the Dean's Council.

## CLASSIFICATION OF STUDENTS

Students are classified as *freshmen, sophomores, juniors, and seniors*, in accordance with the curriculum requirements stated on pages 155-58.

## COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 201.



## THE BACHELOR'S DEGREES

Upon the satisfactory completion of the undergraduate requirements of the School of Engineering, the degree of Bachelor of Civil Engineering, Bachelor of Electrical Engineering, Bachelor of Mechanical Engineering, or Bachelor of Science is conferred.

## REQUIREMENTS FOR THE DEGREES

To be recommended for a degree a student must satisfy the admission, residence, scholarship, and curriculum requirements. *Particular attention is called to the statement of graduation requirements on pages 79-80.*

## SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 78-79.

In order to graduate, a student must have a quality-point index of at least 2.00.

Delinquency in scholarship will render the student liable to be placed on probation or suspended by the Dean's Council. Readmission will be subject to approval by the Dean's Council. (See the University ruling covering dismissal, page 82.)

## CURRICULUM REQUIREMENTS

## BACHELOR OF CIVIL ENGINEERING

Freshman Year		Sophomore Year	
	Sem. hrs.		Sem. hrs.
*Chemistry 12x and 21x.....	8	Civil Engineering 1 and 102.....	7
Economics 1-2 or modern language	6	Civil Engineering 25-26.....	4
English 1 and 2.....	6	Civil Engineering 130.....	2
Mathematics 12x and 19x.....	6	Civil Engineering 133-34.....	4
Mechanical Engineering 3 and 4.	4	Economics electives.....	6
Physical Education.....	2	Electrical Engineering 9-10.....	6
*Physics 13 and 12.....	6	Mathematics 20x and Mathematics elective.....	6
Total.....	38	Physical Education.....	2
		Total.....	37
Junior Year		Senior Year	
	Sem. hrs.		Sem. hrs.
Civil Engineering 41 and 42.....	6	Civil Engineering 14.....	2
Civil Engineering 61-62.....	4	Civil Engineering 145-46.....	6
Civil Engineering 71 and 72.....	6	Civil Engineering 147-48.....	4
Civil Engineering 131 and 132....	6	Civil Engineering 149-50.....	6
Mechanical Engineering 111-12..	6	Civil Engineering 181-82.....	6
Physics 14.....	2	Civil Engineering 185-86.....	4
Electives.....	6	Electives.....	5
Total.....	36	Total.....	33

\* Students who begin Physics with Physics 13 or 12, or Chemistry with Chemistry 12, are subject to a qualifying examination.

Approved work of an engineering nature through two summers or the equivalent is required in this curriculum.

Total number of semester-hours for the four-year course, 144.

## BACHELOR OF ELECTRICAL ENGINEERING

Freshman Year		Sem. hrs.	Sophomore Year		Sem. hrs.
*Chemistry 12x and 21x.....	8		Civil Engineering 25-26.....	4	
Economics 1-2 or modern language	6		Civil Engineering 130.....	2	
English 1 and 2.....	6		Electrical Engineering 9-10.....	6	
Mathematics 12x and 19x.....	6		Mathematics 20x and 132.....	6	
Mechanical Engineering 3 and 4.	4		Mechanical Engineering 7-8.....	4	
Physical Education.....	2		Mechanical Engineering 13-14....	4	
*Physics 13 and 12.....	6		Physical Education.....	2	
			Physics 14 and Physics elective...	4	
Total.....	38		Public Speaking 1.....	3	
			Total.....	35	
Junior Year		Sem. hrs.	Senior Year		Sem. hrs.
Civil Engineering 1 and 14.....	5		Civil Engineering 185-86.....	4	
Civil Engineering 131 and 132...	6		Economics electives .....	6	
Civil Engineering 133-34.....	4		Electrical Engineering 103 and 140	6	
Electrical Engineering 17-18 .....	4		Electrical Engineering 125-26.....	4	
Electrical Engineering 101 and 102	6		Electrical Engineering 133-34.....	4	
Mechanical Engineering 111-12...	6		Electrical Engineering 137 and 136		
Physics 133x .....	3		or 141-42 .....	4	
Electives .....	3		Mechanical Engineering 115.....	2	
Total.....	37		Electives.....	4	
			Total.....	34	

Approved work of an engineering nature through two summers or the equivalent is required in this curriculum.

Total number of semester-hours for the four-year course, 144.

## BACHELOR OF MECHANICAL ENGINEERING

Freshman Year		Sem. hrs.	Sophomore Year		Sem. hrs.
*Chemistry 12x and 21x.....	8		Civil Engineering 25-26.....	4	
Economics 1-2 or modern language	6		Civil Engineering 130.....	2	
English 1 and 2.....	6		Civil Engineering 133-34.....	4	
Mathematics 12x and 19x.....	6		Electrical Engineering 9-10.....	6	
Mechanical Engineering 3 and 4.	4		Mathematics 20x and Mathematics		
Physical Education.....	2		elective.....	6	
*Physics 13 and 12.....	6		Mechanical Engineering 7-8.....	4	
			Mechanical Engineering 13-14...	4	
Total.....	38		Physical Education.....	2	
			Physics 14 and Physics elective...	4	
			Electives.....	2	
			Total.....	38	

\* Students who begin Physics with Physics 13 or 12, or Chemistry with Chemistry 12, are subject to a qualifying examination.

Junior Year		Senior Year	
	Sem. hrs.		Sem. hrs.
Civil Engineering 14.....	2	Civil Engineering 1.....	3
Civil Engineering 41.....	3	Civil Engineering 185-86.....	4
Civil Engineering 131 and 132...	6	Mechanical Engineering 115-16..	4
Economics electives .....	6	Mechanical Engineering 127-28..	4
Electrical Engineering 13-14.....	4	Mechanical Engineering 129-30..	6
Mechanical Engineering 111-12..	6	Mechanical Engineering 131 and 138.....	4
Mechanical Engineering 126.....	2	Mechanical Engineering 133.....	2
Public Speaking 1 or English elective .....	3	Mechanical Engineering 139.....	3
Electives.....	3	Mechanical Engineering 140.....	3
Total.....	35	Total.....	33

Approved work of an engineering nature through two summers or the equivalent is required in this curriculum.

Total number of semester-hours for the four-year course, 144.

BACHELOR OF SCIENCE

Freshman Year		Sophomore Year	
	Sem. hrs.		Sem. hrs.
English 1 and 2.....	6	*Chemistry 12x and 21x.....	8
Mathematics 12x and 19x.....	6	Civil Engineering 25-26.....	4
Mechanical Engineering 3 and 4..	4	Civil Engineering 130.....	2
Physical Education.....	2	Civil Engineering 133-34.....	4
*Physics 13 and 12.....	6	Geology 21-22 .....	6
Electives .....	6	Mathematics 20x .....	3
Total.....	30	Physical Education .....	2
		Physics 14 .....	2
		Electives .....	3
		Total.....	34
Junior Year		Senior Year	
	Sem. hrs.		Sem. hrs.
Civil Engineering 14.....	2	Senior option .....	28
Civil Engineering 131 and 132...	6	Total.....	28
Electrical Engineering 9-10.....	6		
Mechanical Engineering 111-12..	6		
Electives.....	12		
Total.....	32		

Total number of semester-hours for the four-year course, 124.

Electives in the freshman, sophomore, and junior years of the foregoing curriculum for the degree of Bachelor of Science should be taken from the following list: chemistry, economics, electrical laboratory, foreign language, geology, machine drawing, mathematics, mechanical laboratory, mechanism, physics, surveying, and structures.

\* Students who begin Physics with Physics 13 or 12, or Chemistry with Chemistry 12, are subject to a qualifying examination.



No student whose quality-point index is below 2.00 will be admitted to the senior year of the curriculum leading to the degree of Bachelor of Science. The purpose of the senior option in this curriculum is to allow a student who has demonstrated his ability to do better than passing work to center his attention upon a group of subjects in which he has special interest. Options may be elected in Business Administration, Chemistry, Economics, Geology, Mathematics, or Physics. The student's choice of subjects for the entire senior year should be submitted to the Dean's Council for approval before the beginning of the junior year, and must be approved before the beginning of the senior year. The student must comply with such requirements as to subjects, schedules, and scholarship as the department concerned may prescribe. This work must be taken at The George Washington University.

#### THE PROFESSIONAL DEGREES

Professional degrees of Civil Engineer, Electrical Engineer, or Mechanical Engineer may be conferred upon graduates of the School of Engineering who have demonstrated their professional ability.

#### REQUIREMENTS FOR THE DEGREES

1. Application may not be made sooner than three years after graduation, and then only if the candidate has had responsible charge of engineering work.
2. A detailed statement of the candidate's experience, references, the degree sought, and the title of the thesis must be filed with the Dean eight months before the Commencement at which the degree is to be conferred.
3. If his application is accepted, the candidate must prepare his thesis as required by the Executive Officer of the Department concerned.
4. One typewritten original and two legible carbon copies of the thesis must be presented to the Dean not later than the date announced in the University calendar. Requirements regarding the form of the thesis are stated on page 81.

## THE SCHOOL OF PHARMACY

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*  
William Paul Briggs, M.S., *Dean of the School of Pharmacy.*

### STAFF OF INSTRUCTION

Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry.*  
Edward Henry Schrt, Ph.D., *Professor of German.*  
William Paul Briggs, M.S., *Professor of Pharmacy.*  
Donnell Brooks Young, Ph.D., *Professor of Zoology.*  
Joseph Hiram Roe, Ph.D., *Professor of Biochemistry.*  
Benjamin Douglass Van Evera, Ph.D., *Professor of Chemistry.*  
James J. Durrett, M.D., *Professorial Lecturer on Drug Control.*  
Evander Frank Kelly, M.D., *Professorial Lecturer on Pharmaceutical Organizations.*  
Carson Peter Frailey, Ph.D., *Professorial Lecturer on Industrial Pharmacy.*  
Merle Irving Protzman, A.M., *Associate Professor of Romance Languages.*  
Paul William Bowman, Ph.D., *Associate Professor of Biology.*  
Raymond John Seeger, Ph.D., *Associate Professor of Physics.*  
Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany.*  
Chester Elwood Leese, Ph.D., *Associate Professor of Physiology.*  
Douglas Bement, A.M., LL.B., *Associate Professor of English.*  
\*DeWitt Clinton Knowles, Jr., M.S., *Assistant Professor of Chemistry.*  
Charles Owens Wilson, Ph.D., *Assistant Professor of Pharmaceutical Chemistry.*  
Lea Gene Gramling, M.S., Ph.D., *Assistant Professor of Pharmacology and Pharmacognosy.*  
Asa Vernon Burdine, *Lecturer on Pharmaceutical Economics.*  
Alden Franklin Roe, Sc.D., *Instructor in Bacteriology.*

### COMMITTEES†

#### ADVISORY COMMITTEE

Louis Francis Bradley, *Chairman*

Howard Bradbury

Malcolm Graeme Gibbs

William P. Herbst

Samuel Louis Hilton

Paul Pearson

Augustus Carrier Taylor

\* On leave 1938-39.

† The President of the University and the Dean of the School of Pharmacy are members ex officio of the committees.

## THE DEAN'S COUNCIL\*

Merle Irving Protzman

Paul William Bowman

Charles Owens Wilson

## COMMITTEE ON SCHOLARSHIP

Paul William Bowman, *Chairman*

Lea Gene Gramling

Colin Mackenzie Mackall

## GENERAL INFORMATION

## INTRODUCTORY

In 1867 the foundation for the National College of Pharmacy was laid by the Apothecaries' Association of the District of Columbia. The College was opened in 1872 and continued until 1906, when it became affiliated with The George Washington University.

The School of Pharmacy is a member of the American Association of Colleges of Pharmacy.

Washington offers many opportunities for the study of Pharmacy. Not only are the facilities of Government laboratories and libraries open to students, but the School of Pharmacy is located only a few blocks from the American Institute of Pharmacy building, in which have been established a pharmaceutical museum and library, and research laboratories which have brought to Washington the outstanding men of the profession.

## ADMISSION

For a statement of the general regulations and procedure for admission to the University, see pages 53-57.

Candidates for admission to the School of Pharmacy must submit a Junior Certificate or its equivalent.

Applicants for admission to the School of Pharmacy who present a baccalaureate degree from an accredited institution may satisfy the requirements for the degree of Bachelor of Science in Pharmacy in three years by completing the curriculum announced on page 164.

## REGISTRATION

For information and regulations regarding registration, see pages 58-59.

## FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 60-64.

\* Elected by the Faculty.



### SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University.

For particulars regarding scholarships, prizes, and loan funds, see pages 66-76.

### GENERAL REGULATIONS

*Students in the School of Pharmacy are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 53-64 and 77-82.*

### AMOUNT OF WORK

Normal work for any year is that outlined under the head of "Curriculum Requirements", below. A student who wishes to take more than the normal amount of work may do so only with the permission of the Committee on Scholarship, the members of which shall be guided in their decision by his scholastic record and the extent to which he is employed. A student on probation shall be limited in the amount of work he may carry.

### ATTENDANCE

Candidates for the degree must have attended at least 80 per cent of all required instruction and must be present at the time specified for the final examinations.

### EXAMINATIONS

Examinations are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special permission of the Committee on Scholarship of the Faculty. For special examinations a fee of \$5 will be charged for each subject.

### ELIGIBILITY FOR EXAMINATION BEFORE STATE BOARDS OF PHARMACY

To be eligible for examination before most State boards of pharmacy applicants are required to present satisfactory evidence of college graduation and in addition must have had from one to four years of practical experience in a pharmacy where prescriptions are compounded. Students are not encouraged to obtain this professional experience while attempting a full course of study. In the case of students who maintain a quality-point index of 2.00 or higher, permission may be granted by the Dean to acquire a limited amount of this professional experience by work in a pharmacy while carrying a full schedule. Students who fall below a quality-point index of 2.00 will be required to reduce their academic load or to limit their professional-experience time to less than twenty-four hours a week.

## COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 201.

## THE DEGREE

Upon the satisfactory completion of the requirements of the School of Pharmacy, the degree of Bachelor of Science in Pharmacy is conferred.

## REQUIREMENTS FOR THE DEGREE

To be recommended for a degree a student must satisfy the admission, residence, scholarship, and curriculum requirements. *Particular attention is called to the statement of graduation requirements on pages 79-80.*

Every candidate for the degree of Bachelor of Science in Pharmacy must be at least twenty-one years of age and of good character.

## SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 78-79.

In order to graduate, a student must have a quality-point index of at least 2.00.

*Probation.*—Students must maintain a quality-point index of at least 2.00, or they are placed on probation. Students remain on probation as long as they fail to attain this index.

*Suspension.*—Students having a quality-point index below 1.00 or who are placed on probation for a third semester, whether successive or after an interval, are suspended.

Students suspended for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Dean of the School of Pharmacy that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. Students suspended twice for poor scholarship are not readmitted. (See the University ruling covering dismissal, page 82.)

For the purpose of these rules, the Summer Sessions are considered a semester.

In the case of students with limited schedules, the foregoing scholarship rules are applied only when the student has undertaken fifteen semester-hours or more.

## CURRICULUM REQUIREMENTS

The laboratory method of teaching is used. Recitation classes are held in connection with each course in order to provide systematic drill in the subjects. Students in Pharmacy have the advantage of obtaining instruction in any department of the University.

The curriculum requirements include at least 124 semester-hours of credit. The following curricula lead to the degree of Bachelor of Science in Pharmacy.

FOR UNDERGRADUATE STUDENTS  
Freshman and Sophomore Years

Courses	Did. hrs.	Lab. hrs.	Sem. hrs.	Clock hrs.
Courses in the Junior College (see page 98 and table facing page 101).....	640	896	65	1536

Junior Year: First Semester

Chemistry 21.....	32	96	4	128
Pharmacy 101.....	32	96	4	128
Pharmacy 105.....	32	.....	2	32
Pharmacy 107.....	16	.....	1	16
Physiology 115.....	48	.....	3	48
Physiology 117.....	.....	48	1	48
Total.....	160	240	15	400

Junior Year: Second Semester

Bacteriology 112.....	32	64	3	96
Pharmacy 102.....	32	96	4	128
Pharmacy 106.....	32	.....	2	32
Pharmacy 110.....	32	48	3	80
*Physics 12.....	32	32	3	64
Total.....	160	240	15	400

Senior Year: First Semester

†Biochemistry 241.....	32	64	4	96
Chemistry 121.....	16	144	4	160
Pharmacy 163.....	32	48	3	80
Pharmacy 165.....	48	.....	3	48
†Pharmacy 171.....	16	48	2	64
Total.....	144	304	16	448

\* Physics 13 may be substituted.

† With permission of the Dean, Pharmacy 171-72 and Biochemistry 241-42 may be replaced by other courses, for purposes of specialization.



## Senior Year: Second Semester

*Biochemistry 242 .....	32	64	4	96
Pharmacy 166 .....	32	48	3	80
*Pharmacy 172 .....	16	48	2	64
*Pharmacy 174 .....	32	96	4	128
Pharmacy 178 .....	48	.....	3	48
Total .....	160	256	16	416
Grand total .....	1264	1936	127	3200

FOR STUDENTS WHO HOLD A BACCALAUREATE DEGREE FROM AN  
ACCREDITED INSTITUTION

First Year	Sem. hrs.	Second Year	Sem. hrs.
Botany 1 and 2 .....	6	Bacteriology 112 .....	3
Chemistry 11-12 .....	8	Chemistry 41-42 .....	8
Pharmacy 1-2 .....	4	Pharmacy 23-24 .....	6
Pharmacy 21-22 .....	10	Pharmacy 101-2 .....	8
Zoology 1 .....	4	Pharmacy 105-6 .....	4
Total .....	32	Total .....	29
Third Year			Sem. hrs.
Chemistry 21 .....			4
Chemistry 121x .....			4
Pharmacy 107 .....			1
Pharmacy 110 .....			3
Pharmacy 163 .....			3
Pharmacy 165-66 .....			6
Pharmacy 174 .....			4
Pharmacy 178 .....			3
Physiology 115 .....			3
Physiology 117 .....			1
Total .....			32
Grand Total .....			93

\* With permission of the Dean, Pharmacy 171-72 and Biochemistry 241-42 may be replaced by other courses, for purposes of specialization.

## THE SCHOOL OF EDUCATION

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*  
James Harold Fox, A.M., Ed.D., *Dean of the School of Education.*

### STAFF OF INSTRUCTION

William Carl Ruediger, Ph.D., *Professor of Education.*  
Thomas Benjamin Brown, Ph.D., *Professor of Physics.*  
Henry Grattan Doyle, A.M., *Professor of Romance Languages.*  
Robert Fiske Griggs, Ph.D., *Professor of Botany.*  
Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry.*  
Edward Henry Sehrt, Ph.D., *Professor of German.*  
\*William Cullen French, Ph.D., *Professor of Education.*  
†James Ebenezer Pixlee, B.S., *Professor of Physical Education for Men.*  
James Henry Taylor, Ph.D., *Professor of Mathematics.*  
Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking.*  
Ruth Harriet Atwell, A.M., *Professor of Physical Education for Women.*  
Frank Mark Weida, Ph.D., *Professor of Statistics.*  
Warren Reed West, Ph.D., *Professor of Political Science.*  
Harold Griffith Sutton, M.S., *Professor of Finance.*  
Mitchell Dreese, Ph.D., *Professor of Educational Psychology.*  
Frank Washington Ballou, Ph.D., *Adjunct Professor of Education.*  
Carroll Dunham Champlin, Ph.D., *Visiting Professor of Education.*  
Alva Curtis Wilgus, Ph.D., *Associate Professor of Hispanic American History.*  
Frances Kirkpatrick, A.M., *Associate Professor of Home Economics.*  
Courtland Darke Baker, A.M., *Associate Professor of English.*  
Paul William Bowman, Ph.D., *Associate Professor of Biology.*  
Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany.*

\* On sabbatical leave second semester 1918-19.

† On sabbatical leave first semester 1918-19.

Christopher Browne Garnett, Jr., Ph.D., *Associate Professor of Philosophy.*  
 Claud Max Farrington, A.M., *Associate Professor of Physical Education for Men.*

James Harold Fox, A.M., Ed.D., *Associate Professor of Education.*

Thelma Hunt, Ph.D., M.D., *Associate Professor of Psychology.*

Ralph Dale Kennedy, Ph.D., *Associate Professor of Accounting and Business Administration.*

Kathryn Mildred Towne, A.M., *Assistant Professor of Home Economics.*

Carl Douglas Wells, Ph.D., *Assistant Professor of Sociology.*

Helen Bennett Lawrence, A.M., *Assistant Professor of Physical Education for Women.*

William Henry Myers, A.B., *Assistant Professor of Physical Education for Men.*

Steuart Henderson Britt, Ph.D., *Assistant Professor of Psychology.*

Mary Alice Adams, A.M., *Visiting Assistant Professor of Education.*

Maude Nelson Parker, *Lecturer in Physical Education for Women.*

Birch Evans Bayh, A.M., *Lecturer in Education.*

Harvey Arthur Smith, Ph.D., *Lecturer in Education.*

Lennig Sweet, Ph.D., *Lecturer in Education.*

Jenny Emsley Turnbull, A.M., *Instructor in Physical Education for Women.*

Elizabeth Burtner, A.M., *Instructor in Physical Education for Women.*

Helen Taylor Hanford, A.M., *Associate in Physical Education for Women.*

John Kerr Rose, A.B., *Research Associate in Education.*

Agnes Kerr Tweedie, A.B., Ed.M., *Associate in Education.*

#### COMMITTEES\*

#### THE DEAN'S COUNCIL†

1939

Mitchell Dreese

1940

James Henry Taylor

Claud Max Farrington

1941

William Cullen French

Steuart Henderson Britt

\* The President of the University and the Dean of the School of Education are members ex officio of all committees.  
 † Elected by the Faculty.



COMMITTEE ON ADMISSION AND ADVANCED STANDING

Harold Griffith Sutton

Thelma Hunt

William Carl Ruediger

Willard Hayes Yeager

William Cullen French

COMMITTEE ON SCHOLARSHIP

William Cullen French, *Chairman*

Frances Kirkpatrick

Ruth Harriet Atwell

COMMITTEE ON DISCIPLINARY RELATIONS

Mitchell Dreese, *Chairman*

William Henry Myers

Kathryn Mildred Towne

GENERAL INFORMATION

INTRODUCTORY

It is the purpose of the School of Education to prepare teachers, supervisors, and administrators for the higher ranges of educational service and to offer opportunities to teachers of experience to extend their education. The School embraces the Departments of Education, Physical Education, and Home Economics, and it is affiliated with all the other departments of the University in which the student is likely to elect work. It offers both graduate and undergraduate work.

The schedule of courses is arranged to meet the convenience of both full-time and part-time students. By attending afternoon, Saturday, and summer classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their positions.

ADMISSION

For a statement of the general regulations and procedure for admission to the University, see pages 53-57.

FOR THE BACHELOR'S DEGREES

Admission to the undergraduate division of the School is based on (a) the satisfactory completion of two years of approved college work, or (b) graduation from an approved two-year normal school or the equivalent. Students meeting these requirements are admitted as regular students. Others may be admitted to the Division of University Students on the presentation of evidence that they are qualified to pursue the work to advantage.

Students transferring from other colleges or from normal schools should request their high schools and their colleges or normal schools to transmit

their credentials of work to the Director of Admissions at least one month before the beginning of the session that they wish to enter. All credentials must be in hand before the student may register. Credentials are official and acceptable only when transmitted directly from school to school, without passing through the hands of the student.

#### FOR THE HIGHER DEGREES

To be admitted to graduate standing a candidate must hold a baccalaureate degree from an accredited school or college or must have completed a course of study that is judged by the Faculty to be the equivalent. Candidates holding degrees from unaccredited institutions, whose work is judged by the Faculty to be more than twelve semester-hours short of a standard baccalaureate degree, must register for a Bachelor's degree; others may remove their deficiencies while registered for the higher degree.

#### REGISTRATION

For information and regulations regarding registration, see pages 58-59.

#### FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 60-64.

#### SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University.

For particulars regarding scholarships, prizes, and loan funds, see pages 66-76.

#### INDEPENDENT STUDY PLAN

A student of demonstrated capacity with special interest in a course may, upon the approval of his project by the instructor in charge and by the Dean, be permitted to undertake independent study under the personal direction of the instructor.

#### GENERAL REGULATIONS

*Students in the School of Education are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 53-64 and 77-82.*

#### AMOUNT OF WORK

A normal program of work for undergraduate students is sixteen or seventeen hours a week. Students with a quality-point index of 3.00 or higher may, with the Dean's permission, take nineteen hours. More than nineteen hours may not be taken except by special permission of the Committee on Scholarship.

For employed students ten hours' work a week constitutes a normal program. Students with a quality-point index of 3.00 or higher for the preceding semester may be permitted by the Dean to take twelve or thirteen hours.

For graduate students twelve hours' work a week, exclusive of the thesis, constitutes a normal program. Employed students may not take more than nine hours a week.

#### COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 201. The system of numbering courses is explained on page 203.

#### THE BACHELOR'S DEGREES

Upon the satisfactory completion of the undergraduate requirements of the School of Education, the degree of Bachelor of Arts in Education, Bachelor of Science in Home Economics, or Bachelor of Science in Physical Education is conferred.

The program of work of each student will be planned with the assistance of a Faculty adviser. Since each student's program of work will be defined by his particular needs, it is important that the student have a clear conception of his major interest in Education, and also that he be familiar with the teaching-certificate requirements in the locality in which he expects to teach.

#### REQUIREMENTS FOR THE DEGREES

To be recommended for a degree a student must satisfy the admission, residence, scholarship, and curriculum requirements. *Particular attention is called to the statement of graduation requirements on pages 79-80.*

#### SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 78-79.

In order to graduate, a student must have a quality-point index of at least 2.00.

*Probation.*—Students who fail to maintain a quality-point index of at least 2.00 are placed on probation. Students remain on probation as long as they fail to attain this index.

*Suspension.*—Students who fail to pass (i.e., who receive a grade of E or F) in half or more of their work, based on a minimum of sixteen semester-hours, are suspended.

A student who has been suspended for poor scholarship may within ten days appeal his case to the Committee on Scholarship through the Dean. If the case appears to be remediable and the student appears likely to improve in his scholarship thereafter, the committee may readmit him on



probation. A student who has been denied readmission on probation may petition the Committee on Scholarship through the Dean for readmission after the lapse of a calendar year. A student who has been suspended twice will not be readmitted. (See the University ruling covering dismissal, page 82.)

#### CURRICULUM REQUIREMENTS

In any of the following curricula at least thirty semester-hours of work must consist of courses numbered above 100.

##### BACHELOR OF ARTS IN EDUCATION

Students admitted with two years of approved college work are granted the degree of Bachelor of Arts in Education upon the satisfactory completion of sixty-six semester-hours of work. This work must include:

	Sem. hrs.
*Education (including Observation and Cadet Teaching) .....	18
†Educational Psychology .....	2 or 3
†Educational Sociology .....	2 or 3
Subject-matter field .....	24 to 36
Electives .....	6 to 20

To the extent that courses in the foregoing list are offered for admission, the range of electives is increased.

*Normal-School Students.*—Students from approved normal schools are granted such advanced standing as their credentials warrant. Their unfinished requirements are determined by the Dean.

*Subject-Matter Field.*—Courses elected within the subject-matter field will depend upon the teaching certificate desired. Usually twenty-four to thirty-six semester-hours are required. The subject-matter program should be planned in consultation with, and must be approved by, the Faculty adviser in the field selected. Relevant work completed in normal school or junior college may be counted toward the subject-matter requirements with the approval of the Faculty adviser.

##### BACHELOR OF SCIENCE IN HOME ECONOMICS

The program of work of each student will be planned with the assistance of a Faculty adviser in the Department of Home Economics.

The purpose of the general home-making course is to educate young women for the important responsibility of home-making and adequately to prepare them for modern living.

\* The choice of electives in Education and the number of semester-hours in excess of eighteen will depend largely upon the certification requirements that the student wishes to meet. Courses listed on pages 241-44 as "Closely Related Courses in Other Departments" are accepted in fulfilling the requirement of eighteen semester-hours in Education, with the exception of Educational Psychology and Educational Sociology.

† Required in addition to eighteen semester-hours in Education.

Since there will be variation in the needs of each student, the general home-making program can be adapted with the assistance of the Faculty adviser to meet any special requirements.

### General Home-Making Course

Junior Year	Sem. hrs.	Senior Year	Sem. hrs.
Biochemistry 154 or electives.....	4	Home Economics 152.....	3
Home Economics 72.....	3	Home Economics 171.....	3
Home Economics 102.....	3	Home Economics 192.....	3
Home Economics 123.....	3	Home Economics 197-98.....	6
Physiology 115.....	3	Psychology 125.....	3
Electives.....	14	Sociology 175.....	3
		Electives.....	9
Total.....	30	Total.....	30

### BACHELOR OF SCIENCE IN PHYSICAL EDUCATION FOR MEN

#### Dual-Major Teacher's Course

Junior Year	Sem. hrs.	Senior Year	Sem. hrs.
Education 115.....	2	Education 129-30.....	6
Education 151.....	3	Education elective.....	2
Education elective.....	2	Physical Education 105-6 and 118.....	7
Physical Education 101 and 102..	4	Physical Education electives.....	12
Physical Education electives.....	7	Electives.....	6
Sociology 120.....	3		
Electives.....	12	Total.....	33
Total.....	33		

The minimum requirements for the degree are twenty-four semester-hours in Physical Education, eighteen semester-hours in a subject-matter group, and six semester-hours of electives.

#### Single-Major Teacher's Course

Junior Year	Sem. hrs.	Senior Year	Sem. hrs.
Education 115.....	2	Education 129-30.....	6
Education 151.....	3	Education elective.....	2
Education elective.....	2	Physical Education 105-6.....	4
Physical Education 101 and 102..	4	Physical Education 118.....	3
Physical Education 103 and 104..	5	Physical Education electives.....	6
Physical Education 109-10.....	4	Electives.....	12
Physical Education electives.....	4		
Sociology 120.....	3	Total.....	33
Electives.....	6		
Total.....	33		

The minimum requirements for the degree are thirty semester-hours in Physical Education, eighteen semester-hours in Education, and eighteen semester-hours of electives.

#### BACHELOR OF SCIENCE IN PHYSICAL EDUCATION FOR WOMEN

Junior Year	Sem. hrs.	Senior Year	Sem. hrs.
Physical Education 101-2.....	6	Education 129-30.....	6
Physical Education 105.....	3	Secondary Education .....	3
Physical Education 107.....	1	Physical Education 111.....	3
Physical Education 109-10.....	6	Physical Education 112.....	3
Physical Education 118.....	1	Physical Education 113-14.....	4
Physiology 115.....	3	Physical Education 116.....	2
Sociology 120.....	3	Physical Education 117.....	2
Subject-matter field or electives...	10	Subject-matter field or electives...	10
Total.....	33	Total.....	33

Students desiring to prepare themselves to teach another subject in addition to Physical Education may do so by choosing their elective hours from one subject-matter field with the advice of the Executive Officer. Relevant work completed in the Junior College may be counted in this subject-matter field.

### THE HIGHER DEGREES

Upon the satisfactory completion of the graduate requirements of the School of Education, the degree of Master of Arts or the degree of Doctor of Education is conferred.

#### GENERAL INFORMATION

##### COURSES ACCEPTABLE

Fully qualified graduate courses are numbered 201 and above. Courses numbered 101-200 may be credited toward a higher degree when approved by the student's committee and after the completion of additional work in them has been certified by the instructors in charge. Courses numbered 1-100 may not be credited toward a higher degree, but may in certain instances be required as a basis for advanced work.

##### TRANSFERRED WORK

Graduate work completed in other accredited institutions of learning may be credited toward the Master's degree, but a minimum of twenty-four semester-hours of work must be completed at The George Washington University.

Advanced courses completed in excess of the requirements for the baccalaureate degree in The George Washington University may be credited toward the Master's degree to the extent of twelve semester-



hours, provided the work fits in with the student's plan of specialization and is approved in writing by the Dean before it is undertaken.

Work completed more than three years prior to registration for the Master's degree at The George Washington University will be credited only after the candidate has satisfied the department concerned that he is proficient in the subject matter of the courses offered for credit. Such proficiency may be determined by examination or by other means.

## REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

### ADMISSION

In addition to admission requirements previously stated, the applicant for admission to candidacy for the degree of Master of Arts must be accepted by the Committee on Admission and Advanced Standing. The general procedure in meeting this requirement will usually include scholarship and personality ratings from instructors under whom the candidate has studied, a personal interview with the committee, and a scholastic-aptitude test.

### PROGRAM OF STUDIES

The degree of Master of Arts is a professional degree, designed to prepare the student for some particular type of educational service. The program of studies leading to the degree will be selected by the candidate and his Consultative Committee from the various related departments of the University to give the student an adequate background in his chosen vocational field. For prospective high-school and junior-high-school teachers this will ordinarily include study in the subject which the candidate is planning to teach as well as in the field of Education.

### RESIDENCE

A candidate must pass in resident study at this University at least two semesters, or one semester and one nine-week summer term, or three nine-week summer terms, or four six-week summer terms.

### AMOUNT OF WORK

A student whose previous preparation in his chosen field has been adequate may complete his requirements, including the thesis, by a minimum of thirty semester-hours of work; others may be required to take as many as twelve semester-hours additional.

### THE THESIS

The program of study will be rounded out by a thesis, which will count as six semester-hours of credit toward the degree. It may be of a research, expository, critical, or creative type, and is intended to demonstrate the student's ability to make independent use of the information and training that he has acquired, and to furnish objective evidence of

his constructive powers in his chosen field. The thesis subject must be approved in writing by the candidate's adviser and recorded in the Office of the Registrar by the date announced in the University calendar. One typewritten original and three legible carbon copies of the thesis in its final form must be presented to the Dean by the candidate not later than the date announced in the University calendar. Requirements regarding the form of the thesis are stated on page 81.

Payment of tuition for the thesis will entitle the candidate, during the academic year of registration, to the advice and direction of the member of the Faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year may be granted without further tuition payment. If the preparation of the thesis extends beyond the two-year period, it must be registered for again, and tuition paid on the same basis as for a repeated course.

#### FINAL EXAMINATION

In addition to the course examinations, the candidate must pass a final examination on the thesis and its related fields. The examination may be either oral or written, or both.

If the thesis is submitted more than three years after the course requirements have been completed, a written examination covering the student's complete program of study will also be required.

#### REQUIREMENTS FOR THE DEGREE OF DOCTOR OF EDUCATION

The requirements for the degree of Doctor of Education cannot be stated in semester-hours, but they consist in general of at least three full years of work beyond a standard Bachelor's degree. It is the function of these requirements to prepare students for advanced teaching, administrative, and supervisory positions, and to train them to investigate and report the problems that arise in the varied phases of Education. The work is given a practical rather than theoretical bent, and emphasizes the mastery and application of subject matter, both in the study requirements and in the thesis. Special emphasis is placed on the candidate's success as teacher, supervisor, administrator, or writer.

Three basic purposes in planning the work for this degree are recognized. These are (a) administration and supervision, (b) the teaching of Education in normal school or college, and (c) the teaching of an academic subject in school or college.

#### QUALIFICATIONS OF THE APPLICANT

The candidate for the degree of Doctor of Education must (1) have completed graduate work in fields prerequisite to his objective equivalent to that required for the degree of Master of Arts in The George Wash-

ington University and (2) have had at least three years of successful educational experience.

#### ADMISSION TO CANDIDACY

To be admitted to candidacy for the degree the applicant must be accepted by the Faculty of the School of Education on the basis of an examination conducted by a committee appointed by the Dean. This examination will usually include the following: (1) a written examination in one or more subjects selected from the applicant's previous background; (2) a scholastic-aptitude test; (3) an oral examination.

#### CONSULTATIVE COMMITTEE

If the applicant is accepted as a candidate, his Consultative Committee shall counsel the candidate and guide his work.

The Consultative Committee, in cooperation with the candidate, shall (1) determine the candidate's fields of study, in each of which the candidate must pass a written examination at least eight months before he presents himself for the degree; (2) furnish the candidate a list of course requirements and of readings that will assist him in preparing for these examinations; and (3) designate the tools of investigation that will be needed by the candidate in the prosecution of his study. These tools may include one or more foreign languages, statistical methods, historical criticism, or any others considered essential by the committee. An examination in the tools designated must be passed by the candidate before he takes his comprehensive examination.

#### THESIS ADVISER

After the candidate has satisfied the requirements enumerated in the preceding section, his committee is dissolved, and he is assigned to a member of the Faculty in whose field the topic of his thesis falls. It is the duty of this person to serve as the candidate's adviser on his thesis and in his field of specialization, and to recommend him to the Dean for the final oral examination when, in his judgment, the candidate's thesis is acceptable.

#### THE DOCTORAL THESIS

Not later than the date specified in the University calendar the candidate shall submit to the Dean of the School of Education three copies of his thesis—one typewritten original, on official thesis paper, and two legible carbon copies—and also a typewritten summary of the thesis consisting of not more than 2,500 words. Requirements regarding the form of the thesis are stated on page 81.

The successful candidate is required, before receiving his degree, to pay a fee to cover the expense of printing the summary of his thesis.



### THE FINAL EXAMINATION

At least three weeks before the degree is to be conferred the candidate must pass an oral examination on his thesis and on his field of specialization before a committee of the Faculty appointed by the Dean, supplemented by two experts from outside the University appointed by the President. This examination is open to the public, and all are privileged to question the candidate. The Dean, or a member of the Faculty designated by him, will preside at this examination.

### THE EDUCATION GUILD

To test methods of greater freedom in preparing for the doctoral examination and of correlating the doctoral work more closely with the candidate's occupation, the University in 1935-36 entered upon an experiment. Persons already professionally employed in Washington and vicinity and known for their leadership in the classroom, in supervision, and in administration were invited to form a group for advanced study and discussion. Each member of this group is under the guidance of a Consultative Committee and is required, in principle, to satisfy all the requirements laid down by the Faculty for the degree of Doctor of Education. Attendance upon seminars is advised but is left optional, directed reading and personal conferences largely taking their place.

This group has decided to call itself "The Education Guild of The George Washington University". It has its own officers and is largely under its own management. Membership is subject to invitation, is at present restricted to twenty, and includes both men and women. Meetings, usually preceded by a dinner, are held from four to six times a year.

## THE SCHOOL OF GOVERNMENT

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

\_\_\_\_\_, *Dean of the School of Government.*

Warren Reed West, Ph.D., *Assistant Dean of the School of Government.*

### STAFF OF INSTRUCTION

DeWitt Clinton Croissant, Ph.D., *Professor of English.*

Charles Sager Collier, A.B., LL.B., S.J.D., *Professor of Law.*

John Donaldson, Ph.D., *Professor of Political Economy.*

George Morton Churchill, Ph.D., *Professor of English History.*

Edward Henry Schrt, Ph.D., *Professor of German.*

\*Richard Norman Owens, Ph.D., C.P.A., *Professor of Accounting and Business Administration.*

Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking.*

Elmer Louis Kayser, Ph.D., *Professor of European History.*

Frank Mark Weida, Ph.D., *Professor of Statistics.*

Warren Reed West, Ph.D., *Professor of Political Science.*

Harold Griffith Sutton, M.S., *Professor of Finance.*

Lowell Joseph Ragatz, Ph.D., *Professor of European History.*

William Crane Johnstone, Jr., Ph.D., *Professor of Political Science.*

Cecil Knight Jones, Litt.B., *Adjunct Professor of Spanish American Literature.*

Wilson Martindale Compton, LL.B., Ph.D., LL.D., *Professorial Lecturer in Economics.*

Colón Eloy Alfaro, *Professorial Lecturer on International Law.*

Merle Irving Protzman, A.M., *Associate Professor of Romance Languages.*

Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Associate Professor of Law.*

John Albert Tillema, Ph.D., LL.M., S.J.D., *Associate Professor of Political Science.*

Alva Curtis Wilgus, Ph.D., *Associate Professor of Hispanic American History.*

James Christopher Corliss, A.M., *Associate Professor of Inter-American Economics.*

\* On sabbatical leave second semester 1918-19.

Wood Gray, Ph.D., *Associate Professor of American History.*  
 Thelma Hunt, Ph.D., M.D., *Associate Professor of Psychology.*  
 Ralph Dale Kennedy, Ph.D., *Associate Professor of Accounting and Business Administration.*  
 John Albert McIntire, A.B., LL.B., *Associate Professor of Law.*  
 Arthur Edward Burns, Ph.D., *Associate Professor of Economics.*  
 Carl Douglas Wells, Ph.D., *Assistant Professor of Sociology.*  
 Steuart Henderson Britt, Ph.D., *Assistant Professor of Psychology.*  
 Donald Stevenson Watson, Ph.D., *Assistant Professor of Economics.*  
 James Oliver Murdock, Ph.B., LL.B., *Lecturer in Law.*  
 John Ihlder, B.S., *Lecturer on City Building.*

## COMMITTEES\*

## THE DEAN'S COUNCIL†

1939

Harold Griffith Sutton

John Donaldson

1940

Ralph Dale Kennedy

Carl Douglas Wells

1941

Alva Curtis Wilgus

Frank Mark Weida

## COMMITTEE ON ADMISSION AND ADVANCED STANDING

The Dean of the School, *Chairman*Harold Griffith Sutton, *Secretary*

Ralph Dale Kennedy

Donald Stevenson Watson

Thelma Hunt

John Albert Tillema

Richard Norman Owens

## GENERAL INFORMATION

## INTRODUCTORY

The George Washington University School of Jurisprudence and Diplomacy existed from 1898 to 1913, when it was discontinued as a separate school. The courses were given, however, in Columbian College until September 1928, when training in foreign service and governmental theory and administration was reestablished as a separate branch under the School of Government.

\* The President of the University and the Dean of the School of Government are members ex officio of all committees.

† Elected by the Faculty.



It is the purpose of the School to give its students an understanding of the responsibilities under the Constitution of the United States in the conduct of public office—domestic and foreign. This can be accomplished not through any single course but through a curriculum which correlates social, economic, political, historical, and psychological studies.

The courses in domestic government train in the theory of, and practice in, local, State, and national positions. The courses in Foreign Service train students for the many opportunities offered in the foreign fields to carry out the ideals for which America stands, not only in governmental work but in the much wider field of foreign trade as conducted by private enterprise in all parts of the world. This training fits the student especially to assist American citizens who have occasion to travel or to do business abroad, to understand their reciprocal rights and duties, and to protect them in these rights without infringing upon the rights of others, as well as to collect and report information concerning commercial conditions and opportunities abroad. The student thus gains an insight into international affairs from both the American and the foreign point of view, with a resultant broader understanding of economic and political problems.

#### ADMISSION

For a statement of the general regulations and procedure for admission to the University, see pages 53-57.

Special students and auditors are referred to the Division of University Students.

#### FOR THE BACHELOR'S DEGREE

Applicants for admission to the School of Government must present a Junior Certificate based on the proper curriculum in Government in the Junior College, or its equivalent.

#### FOR THE MASTER'S DEGREE

Applicants for admission to the School of Government having the intention of becoming candidates for the degree of Master of Arts must present a baccalaureate degree from an accredited institution, or evidence of a course of study that is judged by the Faculty to be the equivalent, and a transcript of the studies previously pursued. Students from unaccredited institutions may be admitted at the discretion of the Dean's Council, but such students are required to take such extra work above the minimum requirements as may be prescribed.

The course of study pursued for the Bachelor's degree must be approved by the Dean as having provided the proper basic training to justify registration for the higher degree. If this course of study is deemed inadequate, additional undergraduate work will be required. The Dean

may permit deficiencies to be made up concurrently with work for the degree.

Registration for the degree does not constitute formal candidacy. The further requirements for formal candidacy are stated on page 186.

#### REGISTRATION

For information and regulations regarding registration, see pages 58-59.

#### FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 60-64.

#### SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University.

For particulars regarding scholarships, prizes, and loan funds, see pages 66-76.

#### INDEPENDENT STUDY PLAN

Under the independent study plan a student of demonstrated capacity, with special interest in the subject matter of a course, may be permitted to undertake independent study under the personal direction of an instructor, in accordance with the rules of the division in which the subject falls. Credit under this plan is limited to the specific course-credits as designated in the list of courses of instruction in this CATALOGUE.

#### GENERAL REGULATIONS

*Students in the School of Government are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 53-64 and 77-82.*

#### AMOUNT OF WORK

Full-time students not on probation may take ordinarily not more than seventeen semester-hours. Students employed more than twenty-four hours a week, who are not on probation, may take not more than ten semester-hours.

Full-time undergraduate students whose quality-point index is 3.50 or higher may take not more than nineteen semester-hours. Undergraduate students employed more than twenty-four hours a week, whose quality-point index is 3.50 or higher, may take up to twelve semester-hours.

Exceptions to these rules will require the approval of the Dean.

#### ATTENDANCE

The student is held responsible for all the work of the courses in which he is registered, and all absences must be excused by the instructor in charge before provision is made for him to make up the work missed.

## CLASSIFICATION OF STUDENTS

A student who holds a Junior Certificate from the Junior College, or its equivalent from an accredited institution, and who has registered his choice of one of the prescribed curricula at the Office of the Registrar, is classed as a *junior*. A student who has completed thirty semester-hours in the School of Government is classed as a *senior*. A student who has satisfactorily completed the work for the baccalaureate degree, and who has registered his choice of one of the prescribed fields of study at the Office of the Registrar, is classed as a *master in course*.

## COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 201.

## THE DEGREE OF BACHELOR OF ARTS

Upon the satisfactory completion of the undergraduate requirements of the School of Government, the degree of Bachelor of Arts in Government, with a designation of the major field of study, is conferred. The major fields are Public Affairs, Foreign Service, Foreign Commerce, Public Administration, Business Administration, Public Finance, and Public Accounting.

## REQUIREMENTS FOR THE DEGREE

To be recommended for a degree a student must satisfy the admission, residence, scholarship, and curriculum requirements. *Particular attention is called to the statement of graduation requirements on pages 79-80.*

## SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 78-79.

In order to graduate, a student must attain the following: (a) a quality-point index in all of his work of at least 2.00 and (b) a quality-point index of at least 2.50 in thirty semester-hours, excluding electives, in the work of the third and fourth years.

*Probation.*—Students must maintain a quality-point index of at least 2.00, or they are placed on probation. Students remain on probation as long as their quality-point index on all work taken is below 2.00.

*Suspension.*—Students having a quality-point index below 1.00 or who are placed on probation for a third semester, whether successive or after an interval, are suspended.

For the purpose of these rules, the Summer Sessions are considered a semester.

Students suspended for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Admission and Advanced Standing that during his absence from the University he



has so conducted himself as to indicate that he will profit by readmission. Students suspended twice for poor scholarship are not readmitted. (See the University ruling covering dismissal, page 82.)

In the case of students with limited schedules, the foregoing scholarship rules are applied only when the student has undertaken fifteen semester-hours or more.

#### CURRICULUM REQUIREMENTS

For recommendation for graduation the School of Government requires, in addition to the appropriate Junior College work (see page 98 and table facing page 201), a minimum of sixty semester-hours during the two senior-college years, as set forth in one of the following curricula. The third and fourth years of these seven curricula lead to the degree of Bachelor of Arts in Government with a designation of the major field of study; the graduate years as here outlined lead to the degree of Master of Arts (see pages 185-87) in the respective fields. Electives as well as other subjects must be approved by the Dean.

PUBLIC AFFAIRS			
Third Year	Sem. hrs.	Fourth Year	Sem. hrs.
Political Science 121-22.....	6	Economics 119-20.....	6
Psychology 151.....	3	Economics 125-26.....	6
Psychology 154.....	3	Political Science 117.....	3
Public Speaking 1.....	3	Political Science 124.....	3
Public Speaking 2.....	3	Electives.....	12
Sociology 27 and 28.....	6		
Electives.....	6	Total.....	30
Total.....	30		

Graduate Year		Sem. hrs.
Political Science 209-10.....		6
Thesis.....		6
Electives.....		18
(To be selected from Business Administration 115; Economics 105, 106, 165, 166, 167; History 147; Political Science 111, 112, 151-52, 181-82.)		
Total.....		30

FOREIGN SERVICE			
Third Year	Sem. hrs.	Fourth Year	Sem. hrs.
Economics 110.....	3	Economics 119-20.....	6
Economics 181-82.....	6	History 174.....	3
Economics 183.....	3	Political Science 130.....	3
Economics 184.....	3	Political Science 171.....	6
History 181-82.....	6	Political Science 181-82.....	3
Political Science 111.....	3	Political Science 194.....	6
Political Science 127.....	3	Political Science 275-76.....	
Political Science 191.....	3	Total.....	30
Total.....	30		

Graduate Year

Political Science 281-82.....	Sem. hrs.	6
Thesis.....		6
Electives.....		6
(To be selected from Economics 185-86, 285, 286, 287-88; History 147, 149, 161-62, 163, 174; Political Science 112, 128; Statistics 108.)		18
Total.....		30

FOREIGN COMMERCE

Third Year

Business Administration 171.....	Sem. hrs.	3
Economics 110.....		3
Economics 119-20.....		6
Economics 181-82.....		6
Economics 183.....		3
Economics 184.....		3
Political Science 127.....		3
Political Science 128.....		3
Total.....		30

Fourth Year

Business Administration 174.....	Sem. hrs.	3
Business Administration 185.....		3
Political Science 130.....		3
Political Science 181-82.....		6
Electives.....		15
Total.....		30

Graduate Year

Economics 287-88.....	Sem. hrs.	6
Thesis.....		6
Electives.....		6
(To be selected from Business Administration 186; Economics 105, 183, 184, 281-82, 283-84, 285, 286, 287-88; History 174; Political Science 281-82; Statistics 101-2.)		18
Total.....		30

PUBLIC ADMINISTRATION

Third Year

Business Administration 140.....	Sem. hrs.	3
Economics 125-26.....		6
Political Science 115.....		3
Political Science 151-52.....		4
Psychology 1.....		3
Psychology 2.....		3
Statistics 101-2.....		6
Electives.....		2
Total.....		30

Fourth Year

Economics 119.....	Sem. hrs.	3
Economics 127.....		3
Psychology 131.....		2
Psychology 141.....		3
Psychology 151.....		3
Electives.....		16
Total.....		30

Graduate Year

Political Science 209-10, or Psychology 201-2.....	Sem. hrs.	6
Thesis.....		6
Electives.....		6
(To be selected from Economics 142, 146, 165; History 147, 174; Political Science 111, 112, 115, 116, 121-22; Psychology 154; Sociology 145, 146.)		18
Total.....		30

## BUSINESS ADMINISTRATION

Third Year		Sem. hrs.	Fourth Year		Sem. hrs.
Business Administration	101-2...	6	Business Administration	115.....	3
Business Administration	111.....	3	Business Administration	140.....	3
Business Administration	127.....	2	Business Administration	185.....	3
Business Administration	128.....	2	Business Administration	186.....	3
Business Administration	171.....	3	Political Science	127.....	3
Business Administration	181.....	2	Political Science	128.....	3
Economics	119-20.....	6	Electives.....		12
Statistics	101-2.....	6			
Total.....		30	Total.....		30

Graduate Year		Sem. hrs.
Business Administration	118.....	3
Thesis.....		6
Electives.....		21
(To be selected from Business Administration 151-52, 161-62, 172, 201-2; Economics 125-26; History 174.)		
Total.....		30

## PUBLIC FINANCE

Third Year		Sem. hrs.	Fourth Year		Sem. hrs.
Economics	119-20.....	6	Business Administration	111.....	3
Economics	125-26.....	6	Business Administration	115.....	3
Political Science	121-22.....	6	Business Administration	118.....	3
Political Science	127.....	3	Business Administration	140.....	3
Political Science	128.....	3	Economics	127.....	3
Electives.....		6	Political Science	115.....	12
Total.....		30	Total.....		30

Graduate Year		Sem. hrs.
Economics	225.....	3
Thesis.....		6
Electives.....		21
(To be selected from Business Administration 127, 128, 151-52, 157, 181; Economics 146, 175.)		
Total.....		30



## PUBLIC ACCOUNTING

Third Year		Fourth Year	
	Sem. hrs.		Sem. hrs.
Business Administration 151-52...	6	Business Administration 101-2....	6
Business Administration 161-62...	4	Business Administration 111.....	3
Business Administration 181.....	2	Business Administration 140.....	3
Economics 119-20.....	6	Business Administration 157.....	3
Political Science 127.....	3	Business Administration 164.....	3
Political Science 128.....	3	Business Administration 168.....	3
Statistics 101-2.....	6	Political Science 151-52.....	4
		Electives.....	5
Total.....	30	Total.....	30

Graduate Year	
	Sem. hrs.
Business Administration 251-52.....	6
Thesis .....	6
Electives.....	6
(To be selected from Business Administration 115, 118, 171, 172, 181; Economics 125-26; Statistics 103, 104.)	18
Total.....	30

## EXAMINATIONS FOR WAIVING CURRICULUM REQUIREMENTS

A student desiring to omit a required course may take such examination as the department prescribes, and, on passing satisfactorily, he may be relieved of the curriculum requirement in that subject and may qualify for registration in an advanced course. Passing of this examination shall not entitle the student to any hours of credit toward the degree. Students desiring to take such examinations should make the request of the Dean.

A fee of \$5 for each examination is to be paid at the Office of the Comptroller and the receipt exhibited at the door of room 27, Corcoran Hall, on September 24 at 2 P.M. for the first semester, and on February 4 at 2 P.M. for the second semester. Two hours will be allowed for the examination. Should a student wish to take more than one examination, arrangements will be made accordingly.

## THE DEGREE OF MASTER OF ARTS

Upon the satisfactory completion of the graduate requirements of the School of Government, the degree of Master of Arts in Government, with a designation of the major field of study, is conferred. The major fields are Public Affairs, Foreign Service, Foreign Commerce, Public Administration, Business Administration, Public Finance, and Public Accounting.

## CANDIDACY

A student is formally recognized as a candidate for the Master's degree only when his application for candidacy has been approved by the Dean. Applications are made on a form obtainable at the Office of the Registrar, and such applications must be approved before the student becomes a formal candidate.

Before being admitted to candidacy the student must show a reading knowledge (certified by the appropriate language department) of at least one modern foreign language, to be approved by the Dean. Examinations in modern foreign languages will be given on Saturday, October 1, Saturday, February 11, and Saturday, May 6, at 2 P.M.

## REQUIREMENTS FOR THE DEGREE

A minimum of thirty semester-hours of work, as outlined in the curricula on pages 182-85, must be completed successfully. Variations from these curricula require the permission of the Dean.

Not more than twelve semester-hours of work may be taken in another professional School; and work so taken cannot be counted toward degrees in both Schools. No part of the minimum requirement may be taken in any other institution.

A second-group course (numbered 101-200) may be counted toward the Master's degree only when registration for advanced credit has been approved at the beginning of the course by the Dean and by the officer of instruction, and provided that the student shall have done such extra work in the course as may be prescribed by the instructor.

Work completed more than three years prior to registration for the Master's degree will be counted only if the candidate successfully passes an examination on the subject matter of the work offered for credit.

In addition to the course examinations, the candidate must pass a general final written examination in the major subject.

Second-group courses (numbered 101-200) taken in the senior year of college may be counted toward the Master's degree, provided that at the beginning of such courses the student shall obtain the approval of the Dean and of the instructors in the courses, and provided that the student shall have done such extra work on the courses as may be prescribed by the instructors. No work counted toward a baccalaureate degree may be counted toward a Master's degree. A student working toward the Master's degree who is completing an undergraduate major must attain a grade of C or higher in each course undertaken as part of his major program.

A student who expects to continue his studies for the degree of Doctor of Philosophy after receiving the Master's degree is strongly advised so

to plan his program from the beginning that work for the lower degree may help to prepare him for the higher.

*Particular attention is called to the statement of graduation requirements on pages 79-80.*

#### RESIDENCE

A minimum of one year must be completed in residence. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than twenty-seven weeks.

No credit is granted for work done in absentia, i.e., without formal instruction, except for the thesis, which may be completed in absentia with the permission of the department concerned.

#### SCHOLARSHIP

Students whose scholarship is unsatisfactory may be suspended by the Dean. Regarding the system of grading, see pages 78-79.

#### THE THESIS

The thesis must be registered for not later than the beginning of the final year, unless the professor in charge of the thesis permits registration at the beginning of the final semester. For this purpose the nine weeks' term of the Summer Sessions is considered a semester. The choice of the thesis subject must be approved by the professor in charge and recorded in the Office of the Registrar by the date announced in the University calendar. The typewritten thesis in its final form must have the approval of the professor in charge and must be presented to the Dean by the student not later than the date announced in the University calendar. Requirements in regard to the form of the thesis are stated on page 81.

Payment of tuition for the thesis will entitle the candidate, during the academic year of registration, to the advice and direction of the member of the Faculty under whom the thesis is to be written. In case a thesis is unfinished, an additional successive academic year may be granted without further tuition payment. If the preparation of the thesis extends beyond the two-year period, it must be registered for again, and tuition paid on the same basis as for a repeated course.





## THE DIVISION OF UNIVERSITY STUDENTS

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Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*  
Elmer Louis Kayser, Ph.D., *Dean of University Students.*

### GENERAL INFORMATION

#### INTRODUCTORY

The Division of University Students was organized in 1930 in order to make the work of the University in its several divisions more fully accessible to mature students and to provide for the offering of special courses to meet special demands as they might arise from time to time. Students registered in this Division are designated "university" students, as distinguished from regularly matriculated undergraduate and graduate students.

#### ADMISSION

Men and women over twenty-one years of age may apply for admission as university students, to pursue courses for which they have had adequate preparation. In each case the approval of the instructor concerned must be obtained. Applicants for admission must present a complete statement of the work previously pursued, on the University form. Where a student is found unable to pursue with advantage a course for which he is registered, such student may be dropped from the rolls of that course upon the recommendation of the instructor and with the approval of the Dean.

In special instances, with the permission of the instructor, a person may be registered as an "auditor" in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

#### UNIVERSITY STUDENTS IN THE LAW SCHOOL

A limited number of persons who cannot qualify as candidates for a degree in Law, but who are over twenty-five years of age and who because of their maturity, educational training, and practical experience seem qualified to pursue the study of Law, may be admitted as university students upon the approval of the Faculty of the Law School.

Candidates for admission as university students in the Law School must file written applications, setting forth their qualifications in detail, and letters and certificates to prove the facts stated therein as to their education and experience. Work done by such university students will not be counted toward a degree.

## REGISTRATION

For information and regulations regarding registration, see pages 58-59.

## FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 60-64.

## GENERAL REGULATIONS

*Students in the Division of University Students are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 53-64 and 77-82.*

## SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 78-79.

*Probation.*—Students must maintain a quality-point index of at least 2.00, or they are placed on probation. The cases of students having a quality-point index between 1.50 and 2.00, however, will be considered individually. A student remains on probation as long as his quality-point index is below 2.00, or until his probation is removed.

*Dismissal.*—A student who has a total quality-point index below 1.50 will be dropped. The cases of students having a total quality-point index between 1.35 and 1.50, however, will be considered individually.

A student who receives a grade of *E* or *F* in two courses in any two out of three successive semesters will be dropped.

Students who fall under probation for the third semester, whether successive or after an interval, will be dropped.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. Students dropped twice for poor scholarship will not be readmitted. (See the University ruling covering dismissal, page 82.)

For the purpose of these rules, the Summer Sessions are considered a semester.

*Warnings.*—At stated intervals during the academic year instructors shall file in the Office of the Registrar the names of those students who are doing work of *D* grade or lower. These "warnings" shall be transmitted to the students concerned and copies forwarded to their respective advisers. Upon request a parent or guardian may receive a copy of a warning notice sent to a student. A warning constitutes notice to the student that he must consult the Dean within a reasonable time and in any case not later than two weeks after receipt of the warning. "Warning periods" are established as follows: First semester—November 1 to 15. Second semester—March 15 to 30. Summer Sessions—six-week



courses, third to fourth week; nine-week courses, fourth to fifth week.

In the case of students with limited schedules, the foregoing scholarship rules are applied only when the student has undertaken fifteen semester-hours or multiples thereof, unless he receives a grade of *E* or *F* in two courses in any two out of three successive semesters.

#### TRANSFER TO REGULAR STATUS

University students may be transferred, at their request, to other Colleges, Schools, and Divisions of the University only upon complying with the regulations of the specific College, School, or Division to which they wish to transfer. Students should familiarize themselves with the regulations printed in the University CATALOGUE concerning admission, residence, amount and quality of work. Specifically, they should note that in some cases not more than thirty (30) semester-hours of credit may be transferred from this Division; that at least the last thirty (30) semester-hours must be spent in residence in the School, College, or Division granting the degree; and that a general quality-point index of 2.00 must be maintained, with an index of 2.50 in the major.

#### COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 201.

#### EXTENSION COURSES

Special courses may be offered at the University or away from the University whenever the demand exists and the University is able to furnish proper facilities for instruction. Such courses may be credit or noncredit courses, according to University regulations. If they are for credit, the work will be of the same character and standard as that offered by the University in its regular courses.

Extramural classes may be formed by local groups. Such groups may determine, upon consultation with the Dean, the possibility of organizing the type of extramural work which they desire. Extramural courses will generally be arranged to meet in one period for one hour and forty minutes weekly, for fifteen weeks. This constitutes two class-hours of fifty minutes each and, when credit is granted, will count for two semester-hours' credit. Such courses must be approved in advance by the department concerned. Tuition will be charged at the rate of \$8 a semester-hour, plus the University fee for extension students. Announcements of extension courses will be issued from time to time and may be obtained upon application at the Office of the Registrar.



# THE DIVISION OF LIBRARY SCIENCE

## GENERAL INFORMATION

### INTRODUCTORY

The Division of Library Science was organized in 1927 as a result of the development of the courses offered in the Department of Library Science in Columbian College. It has as its objective the training of library assistants for service in public, college, high-school, special, and governmental libraries.

### ADMISSION

For a statement of the general regulations and procedure for admission to the University, see pages 53-57.

### FOR THE BACHELOR'S DEGREE

The Junior Certificate from the Junior College, or its equivalent, will be accepted for admission to the Division of Library Science. It is recommended that students expecting to enter the Division have at least two years of French and of German in order to meet the required reading examinations, courses in general psychology and social history, and a knowledge of typewriting.

Careful consideration will be given to the aptitude and personal qualifications for library work of all applicants. Library experience will not be credited toward graduation. However, students with adequate professional experience may be released from the practice work required in connection with classroom instruction.

### REGISTRATION

For information and regulations regarding registration, see pages 58-59.

### FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 60-64.



## SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University.

For particulars regarding scholarships, prizes, and loan funds, see pages 66-76.

## GENERAL REGULATIONS

*Students in the Division of Library Science are subject to, and are expected to familiarize themselves with, the general University regulations stated on pages 53-64 and 77-82.*

## AMOUNT OF WORK

The normal program of studies for full-time students is set forth below under "Curriculum Requirements". Nine hours a week constitute a normal program of work for students with limited schedules.

## COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 201.

## PRACTICE AND EXPERIENCE

Practice and experience in the University Library go with the periods of classroom instruction and discussion and constitute integral parts of the course.

Students who have had adequate library experience will be released from this requirement. A limited number of students, who have the qualifications and personality necessary for that service, will gain their experience in the Public Library of the District of Columbia, and a few others in special libraries, both governmental and institutional.

## THE DEGREE OF BACHELOR OF ARTS

Upon the satisfactory completion of the requirements of the Division of Library Science, the degree of Bachelor of Arts in Library Science is conferred.

## REQUIREMENTS FOR THE DEGREE

To be recommended for a degree a student must satisfy the admission, residence, scholarship, and curriculum requirements. *Particular attention is called to the statement of graduation requirements on pages 79-80.*

## SCHOLARSHIP

The system of grading and of computing scholarship is described in detail on pages 78-79.

In order to graduate, a student must have a quality-point index of at least 2.00.

*Probation.*—Students must maintain a quality-point index of at least 2.00, or they are placed on probation. Students remain on probation as long as they fail to attain this index.

*Suspension.*—Students who receive a grade of *E* or *F* in two courses in two successive semesters are suspended.

Students who fall under probation for the third semester, whether successive or after an interval, are suspended.

Students suspended for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for admission under this rule must submit evidence to the Director of the Division that during his absence from the University he has so conducted himself as to indicate that he will profit by readmission. Students suspended twice for poor scholarship will not be readmitted. (See the University ruling covering dismissal, page 82.)

For the purpose of these rules, the Summer Sessions are considered a semester.

In the case of students with limited schedules, the foregoing scholarship rules are applied only when the student has undertaken fifteen semester-hours or multiples thereof, unless he receives a grade of *E* or *F* in two courses in two successive semesters.

### CURRICULUM REQUIREMENTS

This curriculum is planned to give students professional training that will prepare them to enter upon active library service. A librarian must have, in addition to executive training, scholarly attainments based on deep cultural interests and sympathies. He should be trained in the modern languages and in history, sociology, literature, and science. The curriculum, as outlined, combines these features with the technical subjects.

Junior Year		Senior Year	
	Sem. hrs.		Sem. hrs.
History 171-72.....	6	Library Science 141.....	2
Library Science 101-2.....	6	Library Science 142.....	2
Library Science 121-22.....	6	Library Science 185-86.....	4
Library Science 131-32.....	4	Library Science 191-92.....	6
Electives .....	8	Electives .....	16
Total.....	30	Total.....	30

In addition to the major in Library Science, it is recommended that students choose as electives courses in some one field of study which shall constitute a secondary major.

If a student presents satisfactory credit for a required course, an elective, subject to the approval of the Director, may be substituted.





## THE INTER-AMERICAN CENTER

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Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*  
George Howland Cox, *Director of the Inter-American Center.*

### COUNCIL

Henry Grattan Doyle, A.M., *Professor of Romance Languages.*  
Robert Whitney Bolwell, Ph.D., *Professor of American Literature.*  
Elmer Louis Kayser, Ph.D., *Professor of European History.*  
William Crane Johnstone, Jr., Ph.D., *Professor of Political Science.*  
Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages.*  
James Christopher Corliss, A.M., *Associate Professor of Inter-American Economics.*

Because of its situation in the heart of the National Capital, The George Washington University is able to offer certain types of academic work and to promote and foster conferences, publications, and studies which profit especially by the resources of the Federal Government, the Library of Congress, the Pan American Union, the various embassies and legations, and other institutions located in Washington. Particularly do these advantages apply to work concerning the nations of the Americas. It is intended that the Center shall take advantage of these manifold opportunities, not only by facilitating the offering of regularly constituted courses and special lectures, but also by encouraging directed research and scholarly and informational publications in the broad field of inter-American relations. The Center further aims to facilitate the interchange of university students and professors and to promote closer cooperation in historical, bibliographical, economic, educational, legal, political, scientific, philosophical, artistic, and literary matters. The Center holds an annual series of conferences on matters of common interest to the citizens of the Americas. These conferences are open to the public. In addition, round-table conferences, open by invitation to selected groups of specialists, are held at more frequent intervals, and the conclusions reached by these conferences are published.

In these ways it is hoped to bring about closer academic, commercial, and cultural relationships with students, scholars, men of affairs, and educational institutions in the other Americas and with those in the United States who wish to obtain a broader understanding of, and a keener insight into, the history, social and political institutions, economic life, thought, and culture of the Americas.



## THE SUMMER SESSIONS

1938

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*  
Robert Whitney Bolwell, Ph.D., *Dean of the Summer Sessions.*

### GENERAL INFORMATION

The Summer Sessions are an integral part of the University, and all courses given are similar to the corresponding courses offered in the other terms. Academic credit for courses satisfactorily completed may be applied toward the appropriate degrees in the various Colleges, Schools, and Divisions of the University. The complete educational equipment and facilities of the University are available to students in the Summer Sessions, including libraries, laboratories, field equipment, etc. All departments of the University are open to men and women.

The Summer Sessions offer an opportunity to continue university work during the summer period. The educational value of a term of study in Washington is of great importance; it forms a background for both intelligent and appreciative citizenship. History, political science, economics, literature, and current events are all vivified by a first-hand knowledge of our national institutions. The schedule of classes allows the students ample time to visit the great libraries and laboratories of the Capital and to observe the departments and bureaus of the Government in operation. The many educational and scientific organizations with central offices and exhibits situated in Washington are accessible to students whose special interests draw on such resources. Excursions may be conveniently arranged to the many places of beauty and historic association in near-by Virginia and Maryland.

Courses will be offered in the Junior College, Columbian College, the Law School, the School of Education, the School of Government, and the Division of University Students. Students in the School of Engineering, the School of Pharmacy, and the Division of Library Science will have the opportunity to take many of their elective and required courses in the Junior College and Columbian College curricula.

Provision is made for the social and recreational side of student life during the Summer Sessions. The University's athletic facilities and equipment are available to all students. The numerous parks and golf courses of Washington, the riding trails, water sports on the Potomac and at near-by beaches, all offer a wide choice of outdoor recreation. The University receptions and dances are annual events, and other student parties are organized. The University fee entitles all students in attend-





## COURSES OF INSTRUCTION

On the following pages of this CATALOGUE, under the alphabetically arranged names of the departments of instruction, are listed the courses of instruction offered by the University in the summer of 1938 and in the academic year 1938-39. The courses as here listed are subject to some slight change. The University reserves the right to withdraw any course announced.

The system of numbers and symbols used in connection with these announcements of courses is explained in the following paragraphs.

### EXPLANATION OF COURSE NUMBERS

In all departments of instruction the number which precedes the name of a course indicates the semester in which that course is offered. *An odd number indicates that the course is offered in the first semester; an even number, that it is offered in the second semester; and a double number (e.g., 157-58), that it begins in the first semester and continues in the second.* This rule has no application, however, to courses offered only in the Summer Sessions. In a few cases, where a course numbered for one semester and normally given in that semester is offered this year in the opposite semester, such exception to the foregoing rule is clearly noted in the statement following the name of the course, and in each such case the course number is followed by the letter *x* (e.g., 21*x*).

In the Department of Law, first-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400; and graduate courses, from 401 to 500.

In the departments of the School of Medicine, first-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400; and fourth-year courses, from 401 to 500.

In all other departments the following system of numbering is used:

First-group courses, numbered from 1 to 100, are planned for students in the freshman and sophomore years.

Second-group courses, numbered from 101 to 200, are planned for students in the junior and senior years. They may be credited toward higher degrees only when registration for graduate credit has been approved at the beginning of the course by the Dean responsible for the graduate work and by the officer of instruction, and when the completion of additional work has been certified by the officer of instruction.

Third-group courses, numbered from 201 to 300, are planned primarily for graduate students. They are open to seniors only with the approval of the officer of instruction.

## INDICATION OF THE AMOUNT OF CREDIT

The number of semester-hours of credit given for the satisfactory completion of a course is in most cases indicated in parentheses after the name of the course. Thus, a year course giving three hours of credit each semester is marked (3-3), and a semester course giving three hours of credit is marked (3). A semester-hour of credit usually consists of the completion of one fifty-minute period of class work or of one laboratory period a week for one semester.

A dagger (†) preceding the number of a year course indicates that the course *may not be entered in the second semester and that credit will not be given until the work of both semesters has been completed.*



## ANATOMY

George Bain Jenkins, M.D., *Professor of Anatomy, Executive Officer.*  
 Ralph Waldo Barris, Ph.D., *Assistant Professor of Anatomy.*  
 \_\_\_\_\_, *Instructor in Anatomy.*

- |       |  |                   |
|-------|--|-------------------|
| 101   | <b>Gross Anatomy</b><br>This course consists of instruction in osteology, followed by the careful dissection and study of the entire body. Eighteen hours a week.  | Jenkins and Staff |
| 103   | <b>Histology and Embryology</b><br>This course includes the histogenesis and microscopic structure of the tissues and organs of the human body. Fifteen hours a week.  | Barris and Staff  |
| 104   | <b>Regional Anatomy</b><br>A correlation course in which cross sections, prepared specimens, and models are employed to study the developmental, gross, and microscopic details of body structure. Six hours a week. | Jenkins and Staff |
| 201   | <b>Functional and Surgical Anatomy</b><br>A course in applied anatomy taught in conjunction with the clinical staff. Two hours a week.   | The Staff         |
| 203-4 | <b>Research</b><br>Hours and credits to be arranged.   | Jenkins and Staff |
| 205   | <b>Microscopic Technique (elective)</b><br>One hour a week.  | The Staff         |
| 336   | <b>Surgical Anatomy (elective)*</b><br>Two hours a week.   | Jenkins           |

\*This course is given in collaboration with the Department of Surgery.

## ART

Norris Ingersoll Crandall, M.Arch., *Professor of Art, Executive Officer.*

Donald Chenoweth Kline, B.Arch., *Assistant Professor of Art.*

Eugen Weisz, *Lecturer and Critic in Art.*

Myrta Dutton Williams, A.B., B.F.A., *Associate in Art.*

*Minimum requirements for the major.*—Prerequisite: Art 1-2, 5-6, and 25-26, or 7-8, 9-10, and 11-12; History 39-40; Physics 3-4; Psychology 1 and 2. Major in Art Appreciation—Art 111-12, 121-22, 131-32, 141-42, and 151-52. Major in Design—requirements as for Art Appreciation, plus two years of Design, and one year each of Life Class and Painting. Major in Painting—requirements as for Art Appreciation, plus Art 107-8, 129-30, 139-40.

*Fees.*—For a statement of drawing-room and other fees, see page 61.

### APPRECIATION

#### FIRST GROUP

- 1-2 *Artistic Environments* (3-3) Crandall  
The development of the home: home furnishing and decoration.  
(Not offered in 1938-39)
- 11-12 *Art Criticism* (3-3) Crandall  
An introduction to the appreciation of the fine arts and to the interpretation of the paintings of the old and modern masters. Tues., Wed., and Thurs., 12.10 P.M.

#### SECOND GROUP

- 111-12 *Current Criticism* (2-2) Crandall  
The history of art criticism; reports on the current criticisms of art critics. Tues. and Thurs., 5.10 P.M.
- 121-22 *History of Art in Europe* (3-3) Weisz  
Painting and sculpture: their development from ancient sources, their relation to architecture, and their place in European civilization. Mon., Wed., and Fri., 5.10 P.M.
- 131-32 *History of American Fine Arts* (3-3) Kline  
A survey of architecture, furniture, decoration, sculpture, painting, folk arts, and crafts in America from the early colonies to the present. Tues. and Thurs., 5.10 to 6.25 P.M.
- 141-42 *History of Ancient and European Architecture and Decoration* (3-3) Kline  
A survey of the architecture and decorative arts of the ancient

and modern civilizations of the Mediterranean, the Far East, and Europe. Mon., Wed., and Fri., 11.10 A.M.

151-52 *A Survey of Modern Art* (3-3)

Crandall

The interpretation of the contemporary arts in Europe and America. Mon., Wed., and Fri., 5.10 P.M.

DESIGN

FIRST GROUP

5-6 *Design I* (3-3)

The Staff

Commercial art: color, composition, lettering, perspective, and free-hand drawing; or illustration: conventional design and elementary problems in charcoal, pencil, and pen and ink; or interior decoration: composition and layout of rooms and arrangement of furniture. Section A: Mon., Wed., and Fri., 1.40 to 4 P.M.; section B: Mon., Wed., and Fri., 7.30 to 10 P.M.

15-16 *Design I: Problems* (3-3)

The Staff

For students of the two-year course; may be taken concurrently with Art 5-6. Section A: Mon., Wed., and Fri., 9.30 A.M. to 12 M.; section B: Tues. and Thurs., 7.10 to 10.30 P.M.

25-26 *Design II* (3-3)

The Staff

Commercial art: decorative, costume, and industrial design; or illustration: monochrome and two-color illustration in wash and tempera; or interior decoration: period decoration and rendering techniques. Prerequisite: Art 6. Section A: Mon., Wed., and Fri., 1.40 to 4 P.M.; section B: Mon., Wed., and Fri., 7.30 to 10 P.M.

35-36 *Design II: Problems* (3-3)

The Staff

For students of the two-year course; may be taken concurrently with Art 25-26. Prerequisite: Art 16. Section A: Mon., Wed., and Fri., 9.30 A.M. to 12 M.; section B: Tues. and Thurs., 7.10 to 10.30 P.M.

SECOND GROUP

125-26 *Design III* (6-6)

The Staff

Commercial art: layouts for reproduction and advertising; or illustration: book-jacket design, book and magazine illustration in full color; or interior decoration: textiles, lights, fixtures, and accessories. Prerequisite: Art 26. Section A: Mon., Wed., and Fri., 9.30 A.M. to 12 M. and 1.40 to 4 P.M.; section B: daily except Sat., 7.10 to 10 P.M.

135-36 *Design IV* (6-6)

The Staff

Practical problems in commercial art, illustration, or interior decoration. Prerequisite: Art 126. Section A: Mon., Wed., and Fri., 9.30 A.M. to 12 M. and 1.40 to 4 P.M.; section B: daily except Sat., 7.10 to 10 P.M.



185-86 *Seminar in Design*

The Staff

Hours and credits to be arranged.

## DRAWING

## FIRST GROUP

7-8 *Drawing* (3-3)

Williams

Free-hand studies from antique cast, life, and landscape. Section A: Tues., Thurs., and Sat., 9.30 A.M. to 12 M.; section B: Mon., Wed., and Fri., 7.30 to 10 P.M.

## SECOND GROUP

107-8 *Life Class* (3-3)

Williams

Drawing in various mediums from the nude and costumed model and the study of anatomy. Section A: Tues., Thurs., and Sat., 9.30 A.M. to 12 M.; section B: Mon., Wed., and Fri., 7.30 to 10 P.M.

127-28 *Pencil and Pen-and-Ink Drawing* (2-2)

Weisz

Use of these mediums in rendering and illustration. Section A: Tues. and Thurs., 1.40 to 4 P.M.; section B: Tues. and Thurs., 7.30 to 10 P.M.

## PAINTING

## FIRST GROUP

9-10 *Painting I* (3-3)

Weisz

Portrait, still life, and landscape. Section A: Tues and Thurs., 1.40 to 4 P.M., and Sat., 9.30 to 12 M.; section B: Tues., Thurs., and Fri., 7.30 to 10 P.M.

## SECOND GROUP

119-20 *Painting II* (2-2)

Weisz

Portrait, still life, and landscape. For majors in Design and special students. Section A: Tues. and Thurs., 1.40 to 4 P.M.; section B: Tues. and Thurs., 7.30 to 10 P.M.

129-30 *Painting III* (3-3)

Williams

From the nude and costumed model. Prerequisite: Art 108. Section A: Tues., Thurs., and Sat., 9.30 A.M. to 12 M.; section B: Mon., Wed., and Fri., 7.30 to 10 P.M.

139-40 *Painting IV* (6-6)

Weisz

Practical problems in composition, mural painting, and portraiture. Prerequisite: Art 130. Section A: Mon., Wed., and Fri., 9.30 A.M. to 12 M. and 1.40 to 4 P.M.; section B: daily except Sat., 7.10 to 10.30 P.M.

149-50 *Advanced Painting and Composition*

The Staff

Hours and credits to be arranged.

## BACTERIOLOGY, HYGIENE, AND PREVENTIVE MEDICINE

Earl Baldwin McKinley, A.B., M.D., *Professor of Bacteriology, Executive Officer.*

Leland Wilbur Parr, Ph.D., *Professor of Bacteriology.*

John Harold Hanks, Ph.D., *Associate Professor of Bacteriology.*

Alden Franklin Roe, Sc.D., *Instructor in Bacteriology.*

Ellen Gray Acree, A.B., *Research Associate in Bacteriology.*

*Fees.*—For a statement of material fees, see page 61.

### 112 *General Bacteriology* (3)

Roe

A study of the fundamental facts of bacteriology, including discussions of the industrial and hygienic applications of the science. Several groups of bacteria, yeasts, and molds are studied in the laboratory. Tues. and Thurs., 9.10 A.M. to 12 M.

### 114 *Bacteriology and Immunology*

McKinley, Parr, Hanks

A thorough grounding in bacteriological technique and a comprehensive study of all the important pathogenic micro-organisms. The course stresses those phases of bacteriology and immunology directly related to medical problems concerning infectious diseases and their pathology, diagnosis, and treatment. Practical immunological and serological technique, certain of the helminths and protozoan parasites, the filterable viruses, and rickettsiae are also considered. Eleven hours a week.

### 209 *Immunology and Serology* (elective)

Hanks

Hours and credits to be arranged.

### 214 *Filterable Viruses*

McKinley

A survey of methods for the study of filterable viruses and of the principal virus diseases. Prerequisite: Bacteriology 112. Hours and credits to be arranged.

### 303-4 *Research in Bacteriology*

The Staff

Hours and credits to be arranged.

### 309-10 *Staff Seminar*

The Staff

Biweekly.

## HYGIENE AND PREVENTIVE MEDICINE

- Roscoe Roy Spencer, A.B., M.D., *Associate Professor of Hygiene and Preventive Medicine, Coordinating Officer.*
- Charles Armstrong, M.D., *Professorial Lecturer in Preventive Medicine.*
- Selwyn DeWitt Collins, Ph.D., *Professorial Lecturer on Sanitary Science.*
- Warren Fales Draper, A.B., M.D., *Professorial Lecturer on Public Health Administration.*
- Rollo Eugene Dyer, A.B., M.D., *Professorial Lecturer in Preventive Medicine.*
- Edward Francis, B.S., M.D., LL.D., *Professorial Lecturer in Preventive Medicine.*
- Leslie Carl Frank, C.E., *Professorial Lecturer on Sanitary Science.*
- George Walter McCoy, M.D., *Professorial Lecturer in Preventive Medicine.*
- Robert Olesen, M.D., *Professorial Lecturer in Preventive Medicine.*
- Royd Ray Sayers, A.M., M.D., *Professorial Lecturer on Industrial Hygiene.*
- Ralph Edwin Tarbett, B.S., *Professorial Lecturer on Sanitary Science.*
- Walter Lewis Treadway, M.D., *Professorial Lecturer in Preventive Medicine.*
- Raymond Aloysius Vonderlehr, M.D., *Professorial Lecturer in Preventive Medicine.*
- Estella Ford Warner, M.D., *Professorial Lecturer on Child Hygiene.*
- William Charles White, M.B., M.D., *Professorial Lecturer on Tuberculosis.*
- Louis Laval Williams, Jr., M.D., *Professorial Lecturer in Preventive Medicine.*

110 *Introduction to Community Health and Sanitation* (1) The Staff  
Modern sanitation, the safeguarding of public water and milk supplies, industrial hygiene, and public and community health measures. The broad obligations of the general practitioner in matters of public health and his relationship to Federal, State, municipal, county, and nonofficial health agencies are stressed. One hour a week.

212 *Hygiene* (2) Spencer and Staff  
The student is familiarized with the rapid present-day transition from curative to preventive medicine, the problems that are arising in the fields of medical ethics and medical economics, and the social aspects of medical practice or the ever-expanding



duties of the general practitioner and of the profession as an integral group in our social structure. Two hours a week.

301 *Preventive Medicine\**

The Staff

The methods employed in the study of epidemics of the more important communicable and reportable diseases; analysis of the epidemiological data upon which are based our modern methods of prevention and control; and exposition of the general and specific measures of control usually employed by modern health units. Two hours a week.

488 *Public-Health Aspects of Clinical Medicine and Surgery* The Staff

The course is conducted by the forum method, in which the clinical departments and the Staff in Hygiene and Preventive Medicine take part. Eight periods.

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\*Supplemented for exceptional students by summer field work in various health departments.

## BIOCHEMISTRY

Vincent du Vigneaud, Ph.D., *Professor of Biochemistry, Executive Officer.*

Joseph Hiram Roe, Ph.D., *Professor of Biochemistry.*

Arnold Kent Balls, Ph.D., *Adjunct Professor of Enzymology.*

Oliver John Irish, A.M., *Instructor in Biochemistry.*

Helen Marie Dyer, Ph.D., *Instructor in Biochemistry.*

Gail Lorenz Miller, Ph.D., *Instructor in Biochemistry.*

\_\_\_\_\_, *Instructor in Biochemistry.*

*Fees.*—For a statement of material fees, see page 61.

- |         |  |                       |
|---------|--|-----------------------|
| 144     | <b>Biochemistry</b>  | du Vigneaud and Staff |
|         | Lecture course dealing with the biochemistry of proteins, fats, and carbohydrates; digestion, tissues, intestinal putrefaction, and feces; blood, milk, and urine. Physical-chemical topics such as osmosis, colloids, and enzyme kinetics are brought out in their relationship to the above-named subjects. Attention is also given to various phases of intermediary metabolism, to the endocrines, and to the so-called deficiency diseases. Two hours a week. |                       |
| 146     | <b>Biochemistry Seminar (elective)</b>   | du Vigneaud and Staff |
|         | Seminar course for freshmen amplifying the lectures in Biochemistry 144 and taking up in greater detail certain aspects of the field. One hour a week.   |                       |
| 154     | <b>Biochemistry of Foods and Nutrition (4)</b>   | Dyer                  |
|         | Lecture and laboratory course designed particularly for students of the Department of Home Economics. Tues. and Thurs., 2 to 5 P.M.  |                       |
| †241-42 | <b>Biochemistry (4-4)</b>  | Roe, Dyer             |
|         | Lecture and laboratory course for nonmedical students, similar in general content to Biochemistry 144 and 251. Mon. and Wed., 9 A.M. to 12 M.  |                       |
| 248     | <b>Biochemistry of the Enzymes (elective)</b>  | Balls                 |
|         | Lecture course dealing with the biochemistry of the enzymes and enzyme reactions. Open to medical and nonmedical students by arrangement. Wed., 4.45 P.M. One hour a week.   |                       |
| 251     | <b>Advanced Biochemistry</b>   | du Vigneaud and Staff |
|         | Laboratory and conference course continuing the work of Biochemistry 144. The chemistry of proteins, fats, and carbo-  |                       |

hydrates; digestion; tissue chemistry; hydrogen-ion concentration; and methods of quantitative analysis are studied in the laboratory. Methods of analysis of urine, blood, gastric contents, and feces which are aids in the diagnosis of diseases and metabolic disturbances are particularly stressed in the laboratory, and the interpretation of the findings by these methods is thoroughly dealt with in the conferences. The conferences are also designed to correlate the laboratory work with the previous semester's lecture work and to present advanced biochemical material. Two hours of conferences and nine hours of laboratory work a week.

- 252 *Chemistry of the Vitamins (elective)* Roe  
One hour a week.
- 253-54 *Biochemical Preparations* The Staff  
Hours and credits to be arranged.
- 255-56 *Biochemical Literature (1-1)* du Vigneaud  
Seminar course on the current literature in the field of biochemistry, mainly for graduate students, but open to a limited number of specially qualified medical students. Hours to be arranged.
- 257-58 *Staff Seminar* The Staff  
Biweekly.
- 259-60 *Research in Biochemistry* du Vigneaud and Staff  
Hours and credits to be arranged.



## BIOLOGY\*

Paul William Bowman, Ph.D., *Associate Professor of Biology, Executive Officer.*

*The major.*—Prerequisite: Biology 1-2; two of the following three courses: Botany 1-2, Geology 21-22, and Zoology 1-2. The student who majors in Biology will be required to demonstrate in a comprehensive examination a reasonable knowledge and understanding of the following subjects: classification of plants and animals and their life histories, geology, ecology, evolution, heredity, the physical and cultural development of man, the biological problems of the community and the nation, the historical development of biology, and the great biologists of the past and present. Some of this information he will obtain by taking courses offered in these fields and some by reading and observation under the guidance of his adviser. For further details, see the pamphlet on this subject or consult the adviser.

*Fees.*—For a statement of material fees, see page 62.

### FIRST GROUP

#### 1-2 *Survey in Biology* (3-3)

Bowman

A systematic study of the plant and animal kingdoms with emphasis upon the interdependence of living things, followed by a review of work done in evolution, heredity, public health, and conservation. Section A: Tues., 11.10 A.M.; section B: Thurs., 11.10 A.M.; section C: Wed., 6.10 P.M. Laboratory—section A: Mon., 1.40 to 3.30 P.M.; section B: Tues., 1.40 to 3.30 P.M.; section C: Mon., 6.10 to 8 P.M. Trip†—section A: Wed., 1.40 to 4.30 P.M.; section B: Thurs., 1.40 to 4.30 P.M.; section C: Sat., 1.40 to 4.30 P.M.

### SECOND GROUP

#### 107-8 *Evolution* (3-3)

Griggs

A survey of the whole field of biology with attention focused on the data which have led to the larger generalizations of the science, followed by the derivation and discussion of theories based largely on these data. Prerequisite for 107: one year of college work in Biology, Botany, Geology, or Zoology; prerequisite for 108, Biology 107. Mon., Wed., and Fri., 5.10 P.M. (Offered in 1939-40 and alternate years at 11.10 A.M.)

#### †115-16 *Principles of Cytology* (3-3)

Bowman

A study of plant and animal cells based on Sharp's *Introduction to Cytology*, with training in preparation of slides and use of

\* See also the Departments of Botany and Zoology, pages 216-18 and 347-49.

† Excursions into the out-of-doors and visits to museums and other places of biological interest.

laboratory equipment. Prerequisite: one year of college work in Biology, Botany, or Zoology. Fri., 10.10 A.M. Laboratory—Mon. and Wed., 9.10 to 11 A.M. (Offered in 1939-40 and alternate years on Tues. and Thurs., 5.10 P.M.)

†127-28 *Introduction to Genetics* (3-3)

A study of the principles of heredity and their application, with experimental work in the breeding of fruit-flies. Prerequisite: one year of college work in Biology, Botany, or Zoology. Tues. and Thurs., 5.10 to 7 P.M.

131-32 *History of Biology* (2-2)

Young

(Offered in 1939-40 and alternate years)

†137-38 *General Physiology* (3-3)

Yocum

The fundamental physiology of protoplasm as applicable to both animals and plants. Prerequisite: one year of college work in Botany or Zoology. Mon., Wed., and Fri., 11.10 A.M. (Offered in 1938-39 and alternate years)

172 *Teaching of Science* (2)

Yocum

The course aims to assist the student to apply the theories of Education to the presentation of the principles of science. Hours to be arranged.

199-200 *Proseminar in Biology* (3-3)

Bowman

Individually planned and directed work by means of which majors in Biology may learn something of those branches not studied in regular courses and may organize and coordinate their knowledge of the field. Hours to be arranged.

THIRD GROUP

201-2 *Proseminar: Cytology* (3-3)

Bowman

Individual problems for advanced students. Prerequisite: Biology 115-16. Hours to be arranged.

211-12 *Research in Cytology*

Bowman

Hours and credits to be arranged.

## BOTANY \*

Robert Fiske Griggs, Ph.D., *Professor of Botany, Executive Officer.*

William Webster Diehl, Ph.D., *Adjunct Professor of Mycology.*

Lawson Edwin Yocum, Ph.D., *Associate Professor of Botany.*

*Minimum requirements for the major.*—Twenty-four semester-hours of Botany beyond the introductory courses, with collaterals as recommended in conference.  
*Fees.*—For a statement of material fees, see page 62.

### FIRST GROUP

1 *Structure and Functions of the Flowering Plant*† (3) The Staff  
The typical plant as a working mechanism: study of cells, tissues, leaves, stems, roots, flowers, and fruits, with the emphasis on the general biological significance of plant physiology. Text: Holman and Robbins. Section A: Mon. and Wed., 9.10 A.M.; section B: Tues. and Thurs., 11.10 A.M.; section C: Tues. and Thurs., 5.10 P.M. Laboratory—section A: Fri., 1.40 to 3.30 P.M.; section B: Thurs., 1.40 to 3.30 P.M.; section C: Tues., 6.30 to 8.30 P.M.

2 *Survey of the Plant Kingdom* (3) The Staff  
Study of the different kinds of plants—algae, bacteria, fungi, mosses, liverworts, fernworts, conifers, and flowering plants—with emphasis on the evolution of the plant kingdom; practice in identifying flowering plants. Section A: Mon. and Wed., 9.10 A.M.; section B: Tues. and Thurs., 11.10 A.M.; section C: Tues. and Thurs., 5.10 P.M. Laboratory—section A: Fri., 1.40 to 3.30 P.M.; section B: Thurs., 1.40 to 3.30 P.M.; section C: Tues., 6.30 to 8.30 P.M.

5 *Field Botany* (6) Griggs  
Field trips to neighboring localities of botanical interest, with classroom study.  
Summer Sessions 1938—daily except Sat., 5.10 to 7 P.M., and Sat. afternoon, nine weeks' term.

### SECOND GROUP

121 *Monocots: Grasses* (3) Griggs  
The taxonomy, morphology, phylogeny, and economics of the Poaceae. The student makes his own collection, and determines also a series of representative grasses not available in the

\* See also the Departments of Biology and Zoology, pages 214-15 and 347-49.

† Before completing registration for Botany 1, each student must obtain from the representative of the Department an assignment to a laboratory section.



vicinity, such as bamboo. Text: Hitchcock, *Manual of Grasses*. Prerequisite: Botany 1 and 2. Section A: Mon., 10.10 A.M.; section B: Mon., 6.10 P.M. Laboratory—Mon., Wed., and Fri., hours to be arranged. (Offered in 1939-40 and alternate years)

122 *Monocots* (3)

Griggs

Survey of monocotyledonous orders except Poales, especially Arales, Palmales, Liliales, Amaryllidales, Marantales, Orchidales; study of flower morphology and evolutionary tendencies indicated, with the determination of a series of representative species. Prerequisite: Botany 1 and 2. Section A: Mon., 10.10 A.M.; section B: Mon., 6.10 P.M. Laboratory—Mon., Wed., and Fri., hours to be arranged.

123-24 *Dicots* (3-3)

Griggs

Survey of selected dicotyledonous orders, the selection varying from year to year, chosen to give an understanding of the general principles of taxonomy; practice in naming unknowns. Text: Pool, *Flowers and Flowering Plants*. Prerequisite: Botany 1 and 2. Section A: Mon., 10.10 A.M.; section B: Mon., 6.10 P.M. Laboratory—Mon., Wed., and Fri., hours to be arranged. (Offered in 1938-39 and alternate years)

131-32 *Mycology* (3-3)

Diehl

Prerequisite: Botany 1 and 2. Wed., 6.10 P.M. Laboratory—Mon. and Wed., hours to be arranged. (Offered in 1938-39 and alternate years)

133-34 *Plant Pathology* (3-3)

Diehl

Prerequisite: Botany 1 and 2. Wed., 6.10 P.M. Laboratory—Mon. and Wed., hours to be arranged. (Offered in 1939-40 and alternate years)

135 *Plant Physiology: Mineral and Water Relations of Plants* (3)

Yocum

Prerequisite: Botany 1 and 2; Chemistry 11-12. Mon. and Wed., 5.10 P.M. Laboratory—Mon. and Wed., hours to be arranged. (Offered in 1939-40 and alternate years)

136 *Plant Physiology: Organic Syntheses and Growth* (3)

Yocum

Prerequisite: Botany 1 and 2; Chemistry 11-12. Mon. and Wed., 5.10 P.M. Laboratory—Mon. and Wed., hours to be arranged. (Offered in 1939-40 and alternate years)

141-42 *Plant Ecology* (3-3)

Griggs

Prerequisite: Botany 1 and 2. Fri., 6.10 P.M. Laboratory—hours to be arranged. (Offered in 1938-39 and alternate years)

- 143 *Floristic Plant Geography* (3) Griggs  
The distribution of plants is studied with especial reference to the United States and Canada. The biological relationships of eastern America with eastern Asia and of the lands in the Southern Hemisphere are stressed, and their bearing on biological and geological history discussed. Prerequisite: Botany 1 and 2. Fri., 6.10 P.M. Laboratory—hours to be arranged. (Offered in 1939-40 and alternate years)
- 144 *Ecological Plant Geography* (3) Griggs  
Seminar on the areas and characteristics of the principal types of vegetation in the United States. Prerequisite: Botany 1 and 2. Fri., 6.10 P.M. Laboratory—hours to be arranged. (Offered in 1939-40 and alternate years)

## THIRD GROUP

- 219-20 *Proseminar: Morphology* (3-3) The Staff  
Hours to be arranged.
- 221-22 *Proseminar: Taxonomy* (3-3) Griggs  
Hours to be arranged.
- 235-36 *Proseminar: Physiology* (3-3) Yocum  
The subject for 1938-39 is the physiology of growth. Wed., 7.10 to 9 P.M.
- 241-42 *Proseminar: Ecology* (3-3) Griggs  
Hours to be arranged.
- 251-52 *Seminar* (3-3) The Staff  
Discussions of current advances in plant science by persons especially competent to present them—partly by the Staff and advanced students, partly by authorities invited from neighboring laboratories. Open to advanced students, who participate; and on a noncredit basis to all others interested. Thurs., 7.10 P.M.
- 261-62 *Research* The Staff  
Hours and credits to be arranged.  
Summer Sessions 1938—Botany 261 (3), hours to be arranged, nine weeks' term (Griggs).

## SPECIAL METHOD COURSE

Biology 172, *Teaching of Science.*

## BUSINESS ADMINISTRATION

\*Richard Norman Owens, Ph.D., C.P.A., *Professor of Accounting and Business Administration.*

Nathanael Howard Engle, Ph.D., *Professorial Lecturer on Marketing.*

Wilford Lenfestey White, M.B.A., D.C.S., *Professorial Lecturer on Marketing.*

Ralph Dale Kennedy, Ph.D., *Associate Professor of Accounting and Business Administration, Executive Officer.*

Orton Wells Boyd, A.M., C.P.A., *Lecturer in Business Administration.*

Ernest Ferguson Randall, A.M., *Lecturer on Accounting.*

William Welling Wernitz, A.B., LL.B., *Lecturer on Accounting.*

Eugene Willard Burgess, Ph.D., *Lecturer in Business Administration.*

*Minimum requirements for the major.—See page 184.*

### FIRST GROUP

51-52 *Principles of Accounting* (3-3) Kennedy and Staff  
Section A: Tues., Thurs., and Sat., 9.10 A.M.; section B: Tues., Thurs., and Sat., 11.10 A.M.; section C: Mon., Wed., and Fri., 6.10 P.M.; section D: Tues. and Thurs., 6.10 to 7.25 P.M.

Business Administration 51x—same as Business Administration 51, but offered second semester. Mon., Wed., and Fri., 6.10 P.M.

Business Administration 52x—same as Business Administration 52, but offered first semester. Prerequisite: Business Administration 51 or the approval of the instructor. Tues. and Thurs., 6.10 to 7.25 P.M.

Summer Sessions 1938 (3-3)—daily except Sat., 6.10 to 8 P.M., nine weeks' term (Kennedy); Business Administration 51 (3), daily except Sat., 11.30 A.M., nine weeks' term (Kennedy).

### SECOND GROUP

101-2 *Business Organization and Management* (3-3)

Owens, —————

Mon., Wed., and Fri., 5.10 P.M.

Summer Sessions 1938—Business Administration 101, *Business Organization* (3), daily except Sat., 6.10 P.M., nine weeks' term; Business Administration 102, *Business Management* (3), daily except Sat., 5.10 P.M., nine weeks' term.

\* On sabbatical leave second semester 1938-39.



- 111 *Analysis of Financial Statements* (3) Kennedy  
Prerequisite: Business Administration 51-52. Mon., Wed., and Fri., 6.10 P.M.
- 115 *Business Finance* (3) Sutton  
Prerequisite: Economics 1-2; Business Administration 51-52. Mon., Wed., and Fri., 10.10 A.M.  
Summer Sessions 1938 (3)—daily except Sat., 5.10 P.M., nine weeks' term (Burgess).
- 116 *Corporation Financial Problems* (3) \_\_\_\_\_  
Prerequisite: Business Administration 115. Mon., Wed., and Fri., 6.10 P.M.
- 118 *Investments* (3) Sutton  
Prerequisite: Business Administration 115. Mon., Wed., and Fri., 10.10 A.M.
- 127 *Speculation and Business Forecasting* (2) Kennedy  
Prerequisite: Economics 1-2. (Not offered in 1938-39)
- 128 *Principles of Insurance* (2) Kennedy  
Prerequisite: Economics 1-2. Tues. and Thurs., 5.10 P.M.
- 140 *Federal Taxation* (3) Boyd  
Prerequisite: Business Administration 51-52. Mon., Wed., and Fri., 5.10 P.M.
- 151-52 *Advanced Accounting* (3-3) Owens, \_\_\_\_\_  
Prerequisite: Business Administration 51-52. Mon., Wed., and Fri., 6.10 P.M.
- 157 *Governmental Accounting and Budgets* (3) Boyd  
Prerequisite: Business Administration 151-52. Mon., Wed., and Fri., 5.10 P.M.
- 161-62 *Cost Accounting* (2-2) Boyd  
Prerequisite: Business Administration 51-52. Tues. and Thurs., 6.10 P.M.
- 164 *Auditing* (3) Owens  
Prerequisite: Business Administration 151-52. (Offered in 1939-40 and alternate years)
- 168 *Accounting Theory and Problems* (3)  
Prerequisite: Business Administration 151-52. Tues. and Thurs., 6.10 to 7.25 P.M.
- 171 *Principles of Marketing* (3) Engle, White  
Prerequisite: Economics 1-2. Tues. and Thurs., 6.10 to 7.25 P.M.

- 172 *Marketing Problems* (3) Engle, White  
Prerequisite: Business Administration 171. Tues. and Thurs.,  
6.10 to 7.25 P.M.
- 174 *Exporting and Importing* (3) Engle, White  
Prerequisite: Economics 1-2. (Offered in 1939-40 and alter-  
nate years)
- 181 *Public Utilities* (2) Kennedy  
Prerequisite: Economics 1-2. Tues. and Thurs., 5.10 P.M.
- 185 *Principles of Railroad Transportation* (3) Kennedy  
Prerequisite: Economics 1-2. Tues., Thurs., and Sat., 10.10 A.M.
- 186 *Principles of Motor, Air, and Water Transportation* (3) Kennedy  
Prerequisite: Business Administration 185. Tues., Thurs., and  
Sat., 10.10 A.M.

THIRD GROUP

- 201-2 *Problems in Retail Management and Control* (3-3)  
Owens. \_\_\_\_\_  
Mon., 8 to 10.30 P.M.
- 251-52 *Accounting Problems* (3-3) Kennedy  
(Not offered in 1938-39)

## CHEMISTRY

Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry.*

Benjamin Douglass Van Evera, Ph.D., *Professor of Chemistry, Executive Officer.*

Ralph Edward Gibson, Ph.D., *Adjunct Professor of Chemistry.*

LeRoy Samuel Weatherby, Ph.D., *Visiting Professor of Chemistry.*

\*DeWitt Clinton Knowles, Jr., M.S., *Assistant Professor of Chemistry.*

Samuel Nathaniel Wrenn, Ph.D., *Assistant Professor of Chemistry.*

Charles Rudolph Naeser, Ph.D., *Assistant Professor of Chemistry.*

Joseph Alfred Ambler, Ph.D., *Lecturer in Chemistry.*

Stephen Brunauer, Ph.D., *Lecturer in Chemistry.*

James Irvin Hoffman, Ph.D., *Lecturer in Chemistry.*

Walter Bramble Kunz, A.M., *Instructor in Chemistry.*

Maurice Hart Van Horn, Ph.D., *Instructor in Chemistry.*

*The major.*—Prerequisite: Chemistry 11-12, 21, and 41-42; Mathematics 19 and 20; Physics 11, 12, 13, and 14. Required: Chemistry 111-12, 121, and 191. The work of the junior and senior years must be approved by the Department. For students who desire a broader and more general preparation in Chemistry, Mathematics, and Physics combined, a group major may be arranged by consultation with the Executive Officers of the several Departments. The German language is recommended for all majors.

*Requirements for the Master's degree.*—In addition to the requirements for the Bachelor's degree: Chemistry 131-32, 141-42, 211-12, 291-92, 295-96, and at least four semester-hours of laboratory courses.

*Registration.*—Before completing registration for courses in which there are laboratory sections, each student must obtain from the representative of the Department an assignment to a laboratory section.

*Fees.*—For a statement of laboratory fees and deposits, see page 62.

### FIRST GROUP

†3-4 *Introductory Survey in Physical Science* (3-3) Seeger, Naeser  
A study of energy and matter, their relation to each other, and their significance to man. Mon., Wed., and Fri., 10.10 A.M. (Same as Physics 3-4)

†11-12 *General Chemistry* (4-4) Van Evera, Naeser, and Assistants  
Section A: Mon. and Wed., 10.10 A.M.; section B: Mon. and Wed., 6.10 P.M. Laboratory—section M: Mon. and Wed., 1.40 to 4.30 P.M.; section N: Tues. and Thurs., 1.40 to 4.30

\* On leave 1938-39.



P.M.; section O: Mon. and Wed., 7.10 to 10 P.M.; section P: Tues. and Thurs., 7.10 to 10 P.M.

Chemistry 11x—same as Chemistry 11, but offered second semester. Section A: Tues. and Thurs., 10.10 A.M.; section B: Tues. and Thurs., 5.10 P.M. Laboratory—section N: Tues. and Thurs., 1.40 to 4.30 P.M.; section P: Tues. and Thurs., 7.10 to 10 P.M.

Chemistry 12x—same as Chemistry 12, but offered first semester. Section A: Tues. and Thurs., 10.10 A.M.; section B: Tues. and Thurs., 5.10 P.M. Laboratory—section N: Tues. and Thurs., 1.40 to 4.30 P.M.; section P: Tues. and Thurs., 7.10 to 10 P.M.

Summer Sessions 1938 (4-4)—daily except Sat., 8.40 to 9.45 A.M. and 9.55 A.M. to 1.30 P.M., nine weeks' term (Van Evera and Naeser).

- 21 *Inorganic Qualitative Analysis* (4) Van Horn and Assistants  
Theoretical and practical study of methods of separating and identifying the more common cations and anions. Prerequisite: Chemistry 12. Section A: Tues. and Thurs., 10.10 A.M.; section B: Tues. and Thurs., 5.10 P.M. Laboratory—section M: Mon. and Wed., 1.40 to 4.30 P.M.; section N: Tues. and Thurs., 1.40 to 4.30 P.M.; section P: Tues. and Thurs., 7.10 to 10 P.M.

Chemistry 21x—same as Chemistry 21, but offered second semester. Section A: Tues. and Thurs., 10.10 A.M.; section B: Tues. and Thurs., 5.10 P.M. Laboratory—section N: Tues. and Thurs., 1.40 to 4.30 P.M.; section P: Tues. and Thurs., 7.10 to 10 P.M.

Summer Sessions 1938 (4)—daily except Sat., 9.30 A.M. to 12.20 P.M., nine weeks' term (Knowles).

- †41-42 *Organic Chemistry* (4-4) Mackall, Wrenn, and Assistants  
41: Chemistry of the acyclic carbon compounds. Prerequisite: Chemistry 12. Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Mon., Wed., and Fri., 5.10 P.M. Laboratory—section M: Wed., 1.40 to 4.30 P.M.; section N: Tues., 1.40 to 4.30 P.M.; section P: Tues., 7.10 to 10 P.M. 42: Chemistry of the cyclic carbon compounds. Prerequisite: Chemistry 41. Section A: Mon. and Wed., 10.10 A.M.; section B: Mon. and Wed., 5.10 P.M. Laboratory—section M: Mon. and Wed., 1.40 to 4.30 P.M.; section N: Tues. and Thurs., 1.40 to 4.30 P.M.; section P: Tues. and Thurs., 7.10 to 10 P.M.

Summer Sessions 1938 (4-4)—daily except Sat., 8.40 to 9.45 A.M. and 9.55 A.M. to 1.30 P.M., nine weeks' term (Weatherby and Wrenn).

## SECOND GROUP

- †111-12 *Physical Chemistry* (4-4) Kunz  
Study of physical laws as applied to chemical problems. Prerequisite: Chemistry 121; Mathematics 20; Physics 14. Section A: Tues. and Thurs., 11.10 A.M.; section B: Tues. and Thurs., 5.10 P.M. Laboratory—section N: Tues. and Thurs., 1.40 to 4.30 P.M.; section O: Mon. and Wed., 7.10 to 10 P.M.; section P: Tues. and Thurs., 7.10 to 10 P.M.
- 121 *Quantitative Inorganic Analysis* (4) Van Horn and Assistants  
The principles of gravimetric and volumetric analysis. Prerequisite: Chemistry 21. Section A: Fri., 11.10 A.M.; section B: Fri., 6.10 P.M. Laboratory—section M: Mon., Wed., and Fri., 1.40 to 4.30 P.M.; section O: Mon., Wed., and Fri., 7.10 to 10 P.M.  
Chemistry 121X—same as Chemistry 121, but offered second semester. Wed., 5.10 P.M. Laboratory—section M: Mon., Wed., and Fri., 1.40 to 4.30 P.M.; section O: Mon., Wed., and Fri., 7.10 to 10 P.M.
- 122 *Advanced Quantitative Analysis* (4) Van Horn and Assistants  
Application of the fundamental principles of analysis to more difficult separations and determinations. Prerequisite: Chemistry 121. Section A: Fri., 11.10 A.M.; section B: Fri., 6.10 P.M. Laboratory—section M: Mon., Wed., and Fri., 1.40 to 4.30 P.M.; section O: Mon., Wed., and Fri., 7.10 to 10 P.M.
- 123 *Qualitative Inorganic Microanalysis* (3)  
The microtechnique of Emich and others applied to inorganic qualitative analysis. (Not offered in 1938-39)
- †131-32 *Inorganic Chemistry* (2-2) Naeser  
Study of chemistry and its theories from the standpoint of the periodic table, with major emphasis on the more common elements. Prerequisite: Chemistry 42. Prerequisite or concurrent registration: Chemistry 111-12. Tues. and Thurs., 5.10 P.M.
- 135-36 *Inorganic Chemistry: Preparations* (2-2) Naeser  
Application of the technique of inorganic chemistry to the preparation and purification of a selected list of substances. Prerequisite: Chemistry 42. Prerequisite or concurrent registration: Chemistry 111-12. Laboratory—Tues. and Thurs., 7.10 to 10 P.M.
- †141-42 *Advanced Organic Chemistry* (3-3) Wrenn  
An introduction to the literature of organic chemistry; the

study of the syntheses, reactions, and properties of carbon compounds; the fundamental theories of organic chemistry. Prerequisite: Chemistry 42. Prerequisite or concurrent registration: Chemistry 111-12. Mon., Wed., and Fri., 6.10 P.M.

146 *Advanced Organic Chemistry* (2) Wrenn

The preparation of representative types of carbon compounds. Prerequisite: Chemistry 42 and 121. Laboratory—Tues. and Thurs., 7.10 to 10 P.M.

191 *History of Chemistry* (2) Mackall

A study of the development of chemistry, and of the biographies of eminent contributors to the science. Prerequisite: Chemistry 42. Prerequisite or concurrent registration: Chemistry 121. Tues. and Thurs., 5.10 P.M.

Chemistry 191x—same as Chemistry 191, but offered second semester. Wed. and Fri., 9.10 A.M.

Summer Sessions 1938 (1-1)—daily except Sat., 5.10 P.M., six weeks' term (Weatherby).

### THIRD GROUP

†203-4 *Contact Catalysis* (2-2) \_\_\_\_\_  
(Not offered in 1938-39)

†205-6 *Colloid and Surface Chemistry* (2-2) \_\_\_\_\_  
(Not offered in 1938-39)

†211-12 *Advanced Physical Chemistry* (2-2) Van Evera  
Development and application of the principles of thermodynamics and the kinetic theory to chemical problems. Prerequisite: Chemistry 112. Mon. and Wed., 5.10 P.M.

215-16 *Physical Chemistry of Solids, Liquids, and Solutions* (2-2) Gibson

215: A brief account of the theories of the solid state, a more detailed discussion of the nature of liquids and theories of solutions of nonelectrolytes and their applications. 216: Application of thermodynamics and statistical mechanics to the theories of solutions of nonelectrolytes and electrolytes. Prerequisite for 215: Chemistry 212; for 216: Chemistry 215. Mon. and Wed., 5.10 P.M.

226 *Advanced Quantitative Analysis* (3) \_\_\_\_\_  
Quantitative organic analysis. Prerequisite: Chemistry 42 and 121; permission of the instructor. (Not offered in 1938-39)



- †231-32 *Advanced Inorganic Chemistry* (2-2) Hoffman  
The chemistry of the less familiar elements. Prerequisite: Chemistry 42 and 132. Tues. and Thurs., 5.10 P.M.
- 241 *Advanced Organic Chemistry* (2) Ambler  
A study of the structure and properties of the carbohydrates. Prerequisite: Chemistry 142. Tues. and Thurs., 6.10 P.M.
- 242 *Advanced Organic Chemistry* (2) Ambler  
A study of the structure and classification of polypeptides, dyes, and organic medicinals. Prerequisite: Chemistry 142. Tues. and Thurs., 6.10 P.M.
- 243 *Advanced Organic Chemistry* (2) Wrenn  
A critical study of synthetic methods. Prerequisite: Chemistry 142. Tues. and Thurs., 5.10 P.M.
- 244 *Advanced Organic Chemistry* (2) Mackall  
The structure of organic molecules. Prerequisite: Chemistry 142. Tues. and Thurs., 5.10 P.M.
- 245 *Advanced Organic Chemistry* (3) Mackall  
The identification of organic compounds and the separation of mixtures. Prerequisite: Chemistry 121 and 142; permission of the instructor. Laboratory—Mon. and Wed., 6.10 to 10 P.M.
- 246 *Advanced Organic Chemistry* (3) Mackall  
Application of the technique of organic chemistry to the preparation, isolation, and purification of carbon compounds. Prerequisite: Chemistry 112 and 245; permission of the instructor. Mon. and Wed., 6.10 to 10 P.M.
- 291-92 *Seminar* (1-1) The Staff  
Prerequisite: the Bachelor's degree in Chemistry. Fri., 5.10 P.M.
- †295-96 *Research* (3-3) The Staff  
Research and thesis for the Master's degree. Hours and fees to be arranged.  
Summer Sessions 1938 (3-3)—hours and fees to be arranged, nine weeks' term.
- 297-98 *Research* The Staff  
Research and thesis for the Doctor's degree. Hours, credits, and fees to be arranged.

## CIVIL ENGINEERING

John Raymond Lapham, M.S., *Professor of Civil Engineering.*

Frank Artemas Hitchcock, M.S., C.E., *Professor of Civil Engineering, Executive Officer.*

Charles Edward Cook, B.S. in C.E., *Assistant Professor of Civil Engineering.*

Reinier Beeuwkes, Jr., B.S. in E.E., *Instructor in Civil Engineering.*

Joseph Carl Oleinik, M.S., *Associate in Civil Engineering.*

Edgar Stover Walker, B.S. in C.E., *Associate in Civil Engineering.*

*Minimum requirements for the major.—See page 155.*  
*Fees.—For a statement of fees, see page 62.*

### FIRST GROUP

- 1 *Surveying* (3) Cook, Walker  
 The principles, methods, and instruments used in surveying, with field work. Prerequisite: Mathematics 12. Section A: Tues. and Thurs., 12.10 P.M.; section B: Mon. and Fri., 6.10 P.M. Field work—section A: Tues., 1.40 P.M.; section B: Sat., 9.10 A.M. and 1.40 P.M.
- 14 *Materials and Hydraulics Laboratory* (2) Beeuwkes  
 Determination of the properties of materials by mechanical tests, and a study of the flow of fluids. Prerequisite: Civil Engineering 25. Prerequisite or concurrent registration: Civil Engineering 132 and 134. Section A: Tues. and Thurs., 1.40 P.M.; section B: Tues. and Thurs., 7.30 P.M.  
 Civil Engineering 14x—same as Civil Engineering 14, but offered first semester.
- 15-16 *Navigation* (2-2)  
 Theory and use of instruments of navigation. Prerequisite: Trigonometry. (Not offered in 1938-39)
- 25-26 *Materials of Construction* (2-2) Lapham  
 Nonmetallic materials, with emphasis on cement; metallic materials, with emphasis on iron and steel. Prerequisite or concurrent registration: Chemistry 12. Section A: Mon. and Fri., 9.10 A.M.; section B: Mon. and Fri., 5.10 P.M.
- 41 *Graphic Statics* (3) Hitchcock, Walker  
 Fundamental principles; analyses of beams; determination of stresses in roof trusses and framed bents. Prerequisite or con-

current registration: Civil Engineering 131. Section A: Tues. and Thurs., 11.10 A.M., and Wed., 1.40 P.M.; section B: Tues. and Thurs., 6.10 P.M., and Tues., 7.30 P.M.

- 42 *Bridge Stresses* (3) Hitchcock  
Determination of stresses in modern types of bridge trusses. Prerequisite: Civil Engineering 41. Prerequisite or concurrent registration: Civil Engineering 132. Section A: Tues. and Thurs., 11.10 A.M., and Wed., 1.40 P.M.; section B: Tues. and Thurs., 6.10 P.M., and Tues., 7.30 P.M.

- †61-62 *Highways and Pavements* (2-2) Cook  
Highway economics, location, construction, and maintenance. Prerequisite or concurrent registration: Civil Engineering 25 and 71. Tues. and Thurs., 6.10 P.M.

- 71 *Route Surveying* (3) Cook  
Curves and earthwork, and methods of location as used on railroads and highways. Prerequisite: Civil Engineering 1. Field work: complete highway location. Section A: Tues. and Thurs., 10.10 A.M.; section B: Tues. and Thurs., 5.10 P.M. Field work—Sat., 9.10 A.M. and 1.40 P.M.

- 72 *Railroad Engineering* (3) Cook  
Track construction and requirements, rolling stock, cost and operation of railroads, with field work. Prerequisite: Civil Engineering 71. Section A: Tues. and Thurs., 10.10 A.M.; section B: Tues. and Thurs., 5.10 P.M. Field work—Sat., 9.10 A.M. and 1.40 P.M.

#### SECOND GROUP

- 102 *Higher Surveying* (4) Cook, Walker  
The elements of geodesy, triangulation, topography, hydrography, and precise and trigonometric leveling, with field work. Prerequisite: Civil Engineering 1. Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Mon., Wed., and Fri., 6.10 P.M. Field work—Sat., 9.10 A.M. and 1.40 P.M.

- 130 *Analytical Mechanics: Statics* (2) Beeuwkes  
Prerequisite: Mathematics 20; Physics 12 and 13. Section A: Tues. and Thurs., 10.10 A.M.; section B: Tues. and Thurs., 5.10 P.M.

- 131 *Analytical Mechanics: Kinematics and Kinetics* (3) Beeuwkes  
Prerequisite: Civil Engineering 130. Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Mon., Wed., and Fri., 5.10 P.M.



- 132 *Elasticity and Resistance of Materials* (3) Beeuwkes  
Tension, compression, shear, and torsion; deflection; combined and working stresses. Prerequisite: Civil Engineering 25 and 130. Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Mon., Wed., and Fri., 5.10 P.M.
- 133-34 *Hydraulics* (2-2) Beeuwkes  
Prerequisite: Mathematics 20. Section A: Tues. and Thurs., 9.10 A.M.; section B: Tues. and Thurs., 6.10 P.M.
- 145-46 *Higher Structures* (3-3) Hitchcock  
Determination of the positions of loading and stresses in the more complicated structures. Prerequisite: Civil Engineering 42. Mon., Wed., and Fri., 5.10 P.M.
- 147-48 *Structural Design* (2-2) Hitchcock  
Computations and drawings for the design of steel structures. Prerequisite: Civil Engineering 42. Tues. and Thurs., 7.30 P.M.
- 149-50 *Concrete and Masonry Construction* (3-3) Hitchcock, Oleinik  
Plain concrete; general properties and theory of reinforced concrete; foundations and retaining walls. Prerequisite: Civil Engineering 25 and 132. Tues. and Thurs., 5.10 P.M., and Mon., 7.30 P.M.
- 181-82 *Water Supply and Sewerage* (3-3) Lapham  
Collection, storage, purification, and distribution of water; sewerage systems and treatment of sewerage. Prerequisite: Civil Engineering 134; Chemistry 12 and 21. *First semester.* Mon., Wed., and Fri., 6.10 P.M. *Second semester.* Mon. and Fri., 6.10 P.M., and Wed., 7.30 P.M.
- 185-86 *Engineering Seminar* (2-2) The Staff  
Hours to be arranged.

## CLASSICAL LANGUAGES AND LITERATURES

John Francis Latimer, Ph.D., *Assistant Professor of Classical Languages and Literatures.*

Donald Armstrong, A.M., Lieutenant Colonel, United States Army, *Lecturer in Latin.*

*The major in Latin.*—Prerequisite: Latin 5-6 (for students entering with only two years of high-school Latin); History 39. Required: twenty-four semester-hours of second- or third-group courses. Recommended in addition: at least one year of Greek; a reading knowledge of French and German; Philosophy 111-12.

*The major in Greek.*—Prerequisite: History 39. Required: twenty-four semester-hours, exclusive of Greek 1-2. Recommended in addition: two years of high-school Latin or one year of college Latin; a reading knowledge of French and German; Philosophy 111-12.

### LATIN

#### FIRST GROUP

- †1-2 *First-Year Latin* (3-3) Latimer  
Essentials of Latin grammar; reading selections; composition; progress tests. Section A: Mon., Wed., and Fri., 9.10 A.M.; section B: Mon., Wed., and Fri., 5.10 P.M.
- †3-4 *Second-Year Latin* (3-3) Latimer  
Review of grammar; wide variety of reading selections; composition; progress tests. Section A: Mon. and Wed., 11.10 A.M. to 12.25 P.M.; section B: Tues. and Thurs., 5.10 to 6.25 P.M.
- 5-6 *Introduction to Latin Poetry* (3-3) Armstrong  
Selections from Ovid and Vergil; prose composition. Tues. and Thurs., 5.10 to 6.25 P.M.

#### SECOND GROUP

- 101 *Survey of Latin Literature to 43 B.C. Prose and Poetry* (3) Latimer  
Prerequisite: four years of high-school Latin or Latin 5-6. (Not offered in 1938-39)
- 102 *Survey of Latin Literature, 43 B.C. to 125 A.D. Prose and Poetry* (3) Latimer  
(Not offered in 1938-39)
- 103 *Lyric Poetry* (3)  
Selections from Horace and Catullus. (Not offered in 1938-39)  
(230)

- 104 *Elegiac Poetry* (3)  
Selections from Horace, Tibullus, Propertius, and Ovid. (Not offered in 1938-39)
- 105 *Roman Biographical Writers* (3)  
Selections from Nepos, Tacitus, and Suetonius. (Not offered in 1938-39)
- 106 *Roman Comedy* (3)  
Plautus and Terence: selected plays. (Not offered in 1938-39)
- 107 *Roman Satirical Writers* (3)  
Horace, Martial, and Juvenal. (Not offered in 1938-39)
- 108 *Roman Historians* (3)  
Livy, Tacitus, Sallust, and Vitruvius. (Not offered in 1938-39)
- 109 *Advanced Prose Composition* (1)  
(Not offered in 1938-39)

## THIRD GROUP

- 201 *The Roman Novel* (3)  
Petronius, Apuleius, or Alexandrian Tales. (Not offered in 1938-39)
- 202 *Roman Philosophy. Prose* (3)  
Selections from Cicero's philosophical writings, and from Seneca's *Epistulae Morales*. (Not offered in 1938-39)
- 204 *Roman Philosophy. Poetry* (3)  
Selections from Lucretius' *De Rerum Natura*; Boethius. (Not offered in 1938-39)
- 206 *Medieval or Renaissance Latin* (3)  
Prerequisite: four years of high-school Latin, or the equivalent. (Not offered in 1938-39)
- 207 *Caesar* (2 or 3) Armstrong  
Caesar as military and political leader; *The Gallic War*.  
Thurs., 7.10 to 9 P.M.
- 208 *Caesar* (2 or 3) Armstrong  
Caesar as military and political leader; *The Civil War*.  
Thurs., 7.10 to 9 P.M.

## GREEK

## FIRST GROUP

- †1-2 *First-Year Greek* (3-3) Latimer  
Essentials of Greek grammar; reading selections; composition.  
Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Mon.,  
Wed., and Fri., 6.10 P.M.



- †3-4 *Second-Year Greek (3-3)* Latimer  
Review of grammar; selections from the New Testament, Herodotus, Xenophon, Plato, and Lucian; composition. Tues. and Thurs., 11.10 A.M. to 12.25 P.M.

## SECOND GROUP

- 101 *Greek Epic Poetry (3)* Latimer  
Selections from Homer. Mon., Wed., and Fri., 7.10 P.M.
- 102 *Greek Tragedy (3)* Latimer  
Selections from Aeschylus, Sophocles, and Euripides; history of Greek drama. Mon., Wed., and Fri., 7.10 P.M.
- 103 *Greek History and Oratory (3)*  
Selections from Herodotus, Thucydides, Lysias, and Demosthenes. (Not offered in 1938-39)
- 104 *Greek Comedy (3)*  
Aristophanes and Menander; selections from Lucian. (Not offered in 1938-39)

## DERMATOLOGY AND SYPHILOLOGY

Charles Augustus Simpson, M.D., *Professor of Dermatology and Syphilology, Executive Officer.*

Harry Ford Anderson, M.D., *Associate Professor of Dermatology and Syphilology.*

George William Creswell, A.B., M.D., *Associate in Dermatology and Syphilology.*

Theodore Claremont Chen Fong, M.D., *Clinical Instructor in Dermatology and Syphilology.*

Russell Joseph Fields, B.S., M.D., *Clinical Instructor in Dermatology and Syphilology.*

### 386 Clinic

The Staff

Children's Hospital, one section, one hour a week for five weeks; Emergency Hospital, one section, one and one-half hours twice a week; University Hospital, one section, one hour a week.

### 387 Dermatology and Syphilology

Simpson

Didactic lectures and demonstrations of the most common skin diseases in all their manifestations, and of general and cutaneous syphilis, with special emphasis on its treatment. Two hours a week.

### 389 Congenital Syphilis

Simpson, Fields

Lectures and demonstrations of eye, bone, teeth, and skin changes caused by congenital syphilis, with its treatment. One hour a week for eight weeks.

### 390 Neurosyphilis

Fong

Didactic lectures on the subject of syphilis of the brain and spinal cord, emphasizing especially paresis and tabes, and including treatment. Venereal therapy is also thoroughly discussed. One hour a week for eight weeks.

### 391 Syphilis

Fields

Gallinger Hospital, one section, two hours a week.

### 477-78 Dermatology and Syphilology

Fong

The clinical application of Dermatology and Syphilology 390. St. Elizabeths Hospital, one section, two hours a week.

### 479-80 Dermatology Clinic

Fields

Gallinger Hospital, two sections, two hours a week.

## ECONOMICS

John Donaldson, Ph.D., *Professor of Political Economy.*

Harold Griffith Sutton, M.S., *Professor of Finance.*

Wilson Martindale Compton, LL.B., Ph.D., LL.D., *Professorial Lecturer in Economics.*

\*Edward Campion Acheson, A.B., *Professorial Lecturer in Economics.*

Edward Berman, Ph.D., *Professorial Lecturer in Economics.*

Gustav Seidler, Ph.D., *Professorial Lecturer in Economics.*

James Christopher Corliss, A.M., *Associate Professor of Inter-American Economics.*

Arthur Edward Burns, Ph.D., *Associate Professor of Economics, Executive Officer.*

Donald Stevenson Watson, Ph.D., *Assistant Professor of Economics.*

Allen Buchanan, Ph.D., *Lecturer in Economics.*

L. László Ecker-Racz, Ph.D., *Lecturer in Economics.*

John Ihlder, B.S., *Lecturer on City Building.*

*The major.*—Prerequisite: Economics 1-2. Required: Economics 105 and twenty-one additional semester-hours in Economics; at least fifteen semester-hours of second-group courses selected from the following departments—Business Administration, History, Philosophy, Political Science, and Statistics. Recommended in addition: History 147 and 174; Statistics 101-2.

### FIRST GROUP

#### 1-2 *Introductory Economics* (3-3)

Burns and Staff

Survey of the major economic institutions and economic problems in contemporary society. Lecture—section A: Tues. and Thurs., 9.10 A.M.; section B: Mon. and Wed., 11.10 A.M.; section C: Mon. and Wed., 5.10 P.M.; section D: Tues. and Thurs., 5.10 P.M. Third-hour discussion class to be arranged.

Summer Sessions 1938 (3-3)—section A: daily except Sat., 9.30 to 11.20 A.M., nine weeks' term (Watson); section B: daily except Sat., 6.10 to 8 P.M., nine weeks' term (Buchanan).

### SECOND GROUP

#### 105 *Economic Theory* (3)

Burns, Watson

Analysis of several major types of contemporary economic theory. Prerequisite: Economics 1-2. Section A: Mon., Wed.,

\* On leave first semester 1938-39.



- and Fri., 10.10 A.M. (Burns); section B: Mon., Wed., and Fri., 5.10 P.M. (Watson).
- 106 *History of Economic Thought* (3) Burns  
Economic doctrines since the mercantilist writers; the development of major schools of thought; influence of changing problems on thought. Prerequisite: Economics 1-2. Tues. and Thurs., 6.10 to 7.25 P.M.
- 108 *Development of Modern Industrialism* (3) Watson  
Generalized historical study of the nature, origins, growth, and forms of modern industrialism. Prerequisite: Economics 1-2. Mon., Wed., and Fri., 5.10 P.M.
- 110 *Economic Geography* (3) Acheson  
The economics of natural resources: raw materials; staple crops; and location of industry. Prerequisite: Economics 1-2. (Not offered in 1938-39)
- 119-20 *Money and Banking Systems* (3-3) Sutton  
Nature of banking operations; organization and structure of banking systems in the United States and foreign countries. Prerequisite: Economics 1-2. Section A: Mon., Wed., and Fri., 11.10 A.M.; section B: Mon., Wed., and Fri., 6.10 P.M.
- 121 *Monetary Reform and Central Banking* (3) Watson  
Principal monetary theories; money and prices; consideration of reform proposals and of possibilities of credit control. Prerequisite: Economics 1-2. (Not offered in 1938-39)
- 122 *The Federal Reserve System* (3) Burns  
Its growth and function, together with major problems and policies. Prerequisite: Economics 1-2.  
Summer Sessions 1938—daily except Sat., 5.10 P.M., nine weeks' term.
- 125-26 *Public Finance and Taxation* (3-3) Watson  
General survey of government expenditures, sources and methods of taxation, economic effects of expenditures and taxes, and of government debt policies. Prerequisite: Economics 1-2. Mon., Wed., and Fri., 6.10 P.M.
- 127 *Recent Problems in Public Finance* (3) Ecker-Racz  
Critical analysis of recent trends in taxation, government expenditures, and the public debt. Prerequisite: Economics 1-2.  
Summer Sessions 1938—daily except Sat., 7.30 A.M., nine weeks' term.

- 131 *Agricultural Economics* (3) \_\_\_\_\_  
Economics of farm production, marketing and credit; analysis of Federal agricultural policies and programs. Prerequisite: Economics 1-2. (Not offered in 1938-39)
- 141 *Labor Economics* (3) Buchanan  
Labor problems: wages, hours, and working conditions; growth of labor organization; types of unions; union tactics and programs. Prerequisite: Economics 1-2. Mon., Wed., and Fri., 5.10 P.M.
- 142 *Government and Labor Problems* (3) Buchanan  
Labor legislation; labor and the courts; Federal regulation of capital-labor relations; the work of Federal labor boards. Prerequisite: Economics 1-2. Mon., Wed., and Fri., 5.10 P.M.
- 146 *Economic Security and Unemployment Insurance* (3) Burns  
Economic and social problems of unemployment and destitution; analysis of the Federal Social Security program. Prerequisite: Economics 1-2. Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Tues. and Thurs., 5.10 P.M. Third hour to be arranged.
- 160 *Economic Factors of City Planning* (3) Ihlder  
Problems of zoning, housing, transportation, and industry in the modern city. Prerequisite: Economics 1-2. Hours to be arranged.
- 165 *Trends in Government Control of Economic Activity* (3) Watson  
Changing role of government in promoting and regulating economic activity; types and spheres of control. Prerequisite: Economics 1-2. Tues., Thurs., and Sat., 10.10 A.M.
- 166 *Fascism, National Socialism, and Communism* (3) Watson  
Critical analysis of the major theories of economic and social reform, with special attention to their origins and backgrounds. Prerequisite: Economics 1-2. Tues., Thurs., and Sat., 10.10 A.M.
- 167 *Economics of Planning* (3) Watson  
Analytical comparison of economic systems coordinated by market price with those coordinated by central authority. Prerequisite: Economics 1-2 and 105. (Not offered in 1938-39)
- 175 *Economic Fluctuations: Business Cycles* (3) Burns  
Analysis of strategic factors in economic instability; survey of recent business-cycle theories. Prerequisite: Economics 1-2. Tues. and Thurs., 6.10 to 7.25 P.M.

- 177 *Advanced Economic Theory* (3) Burns  
Analysis of the theory of monopolistic competition and other recent developments in general economic theory. Prerequisite: Economics 1-2 and 105. Tues. and Thurs., 5.10 P.M. Third hour to be arranged.  
Summer Sessions 1938 (3)—daily except Sat., 6.10 P.M., nine weeks' term (Watson).
- 181-82 *International Economic Relations* (3-3) Donaldson  
Survey of world economics: basic factors and concepts; structure of national and world economy; international industrial, commercial, and monetary processes, problems, and policies. Prerequisite: Economics 1-2. Tues. and Thurs., 6.10 to 7.25 P.M.
- 183 *Tariffs and Commercial Treaties* (3) Donaldson  
Origins and types of modern foreign commercial policy, in the light of evolving doctrines and regimes; exploration of forms, devices, and defects of tariffs and international commercial accords. Prerequisite: Economics 1-2. Tues., Thurs., and Sat., 11.10 A.M.
- 184 *The New International Commercial and Financial Policies* (3) Donaldson  
The new types of foreign trade and exchange controls and agreements; their causes, growth, techniques, and significance in relation to economic nationalism and internationalism. Prerequisite: Economics 1-2. Tues., Thurs., and Sat., 11.10 A.M.
- 185-86 *Economic History and Problems of Latin America* (3-3) Corliss  
Economic development of Latin America; recent trade and financial problems and government policies. Prerequisite: Economics 1-2. Tues. and Thurs., 6.10 to 7.25 P.M.
- 187 *Foreign Exchange and International Finance* (3) Acheson  
Theory and practice of foreign exchange; types of exchange; the gold standard and international finance during the nineteenth century; World War exchange problems. Prerequisite: Economics 1-2. (Not offered in 1938-39)
- 188 *Recent World Monetary Problems* (3) Acheson  
Post-war monetary stabilization; monetary crises of the 1930's; recent trends in the world monetary systems; stabilization-fund technique. Prerequisite: Economics 1-2. Tues., Thurs., and Sat., 5.10 P.M.



## THIRD GROUP

- 205-6 *History of Economic Thought* (3-3) Burns  
Critical analysis and interpretation of the development and the literature of economic thought; origins and problems of the major types of theory; their relation to present problems and policies. Mon., 7.10 to 9 P.M.
- 221 *Currency, Credit, and Banking: Theory and Problems* (3) Watson  
Study of efforts to control economic activity through the banking and monetary system, with particular attention to central banking controls. Tues., 7.30 to 9.30 P.M. Third hour to be arranged.
- 225 *Public Finance* (3) Watson  
Study of special problems such as deficit financing, current tax problems, and Federal-State-and-local financial relationships. (Not offered in 1938-39)
- 232 *Government Control and Industry Planning* (3) Compton  
Problems of Government in relation to business; the work of Federal agencies in the regulation and stimulation of business; activities of business in dealing with Government. Hours to be arranged.
- 241-42 *Labor and Social Economics* (3-3) Berman  
Analysis of labor problems, with special reference to labor organization; intensive study of Federal regulation and participation in capital-labor relations. Wed., 7.30 to 9.30 P.M. (Economics 242 not offered in 1938-39)
- 275 *Business Cycles: Theory and Problems* (3) Burns  
Analysis of several types of current business-cycle theories. Summer Sessions 1938—days to be arranged, 8.10 P.M., nine weeks' term.
- 276 *Recent Monetary and Business-Cycle Theory* (3) Seidler  
Monopolistic price policies and economic instability; monetary and credit policies of government; recent works of Keynes, Hayek, and others on business-cycle theory. Wed., 7.30 to 9.30 P.M.
- 281-82 *Public and Private Finance in Latin America* (3-3) Corliss  
Corporate finance, banking, and capital movements in Latin America; fiscal problems; public debt, deficit financing, taxation, public expenditures; foreign exchange controls and problems.

A reading knowledge of Spanish or Portuguese is required.  
Hours to be arranged.

- 283-84 *Economic Problems of Latin America* (3-3) Corliss  
Foreign trade and foreign commercial policy; growth of industry and agriculture; government control of economic activity; recent economic trends and problems. Hours to be arranged.
- 285 *Theories of International Economics* (3) Donaldson  
Examination and critique of classical international equilibrium analysis and other schools of world economic thought. Tues. and Thurs., 5.10 P.M. Third hour to be arranged.
- 286 *International Monetary Relations and the Balance of Payments* (3) Donaldson  
International monetary systems; dynamics of the behavior of goods, gold, and capital flows and of other transactions comprising the balance of international payments. Tues. and Thurs., 5.10 P.M. Third hour to be arranged.
- 287-88 *Research in International Economic Relations* (3-3) Donaldson  
Original investigations, analyses, and seminar discussions of special problems and concepts in world economics. Thurs., 8.10 P.M.
- 293-94 *Contemporary Economic Theory* (3-3) Watson  
Intensive analysis of the recent literature in economic theory. (Economics 293 not offered in 1938-39)
- 299-300 *Thesis* (3-3) The Staff

## EDUCATION

William Carl Ruediger, Ph.D., *Professor of Education.*  
 \*William Cullen French, Ph.D., *Professor of Education.*  
 Frank Washington Ballou, Ph.D., *Adjunct Professor of Education.*  
 Carroll Dunham Champlin, Ph.D., *Visiting Professor of Education.*  
 James Harold Fox, A.M., Ed.D., *Associate Professor of Education,*  
*Executive Officer.*  
 Mary Alice Adams, A.M., *Visiting Assistant Professor of Education.*  
 Birch Evans Bayh, A.M., *Lecturer in Education.*  
 Harvey Arthur Smith, Ph.D., *Lecturer in Education.*  
 Lennig Sweet, Ph.D., *Lecturer in Education.*  
 John Kerr Rose, A.B., *Research Associate in Education.*  
 Agnes Kerr Tweedie, A.B., Ed.M., *Associate in Education.*

*Minimum requirements for the major.—See page 170.*

### SECOND GROUP

- Ruediger
- 112 *History of Education* (3)  
 The development of Western culture and its transmission.  
 Mon., Wed., and Fri., 5.10 P.M.
- 113 *American Education* (2)  
 (Not offered in 1938-39)
- 115 *Methods of Teaching in the Junior High School*† (2) —————  
 Practical problems of the junior-high-school teacher: construction of units of work; questioning; assignments; discipline; classroom procedures. Section A: Tues. and Thurs., 11.10 A.M.; section B: Tues. and Thurs., 5.10 P.M.
- Sweet
- 119 *Leadership in Recreational Groups* (2)  
 For those working with recreational groups in connection with schools, playgrounds, boys' clubs, etc. Molding individuals through group life, organizing groups, building programs, evaluating results.  
 Summer Sessions 1938—daily except Sat., 7.30 A.M., six weeks' term.
- 129-30 *Observation and Cadet Teaching*‡§ (2 to 6)  
 Hours and credits to be arranged individually.

\* On sabbatical leave second semester 1938-39.

† Educational Psychology is prerequisite to all courses in methods.

‡ May not be taken for credit by students registered in Columbian College.



- 143 *Children's Literature\** (2) Adams  
Children's interests in literature; representative types of literary content—traditional and modern; guidance of children's reactions; creative expression.  
Summer Sessions 1938—daily except Sat., 10.30 A.M., six weeks' term.
- 147 *Teaching of Reading\** (2) Adams  
Reading motives; activities and goals; the development of specialized reading skills at various levels; phonetic analysis; recreational reading; care of individual needs.  
Summer Sessions 1938—daily except Sat., 11.30 A.M., six weeks' term.
- 151 *Secondary Education: The Junior and Senior High School* (3) Fox  
Development; purposes; relationship to elementary education; organization and administration; guidance; program of studies; community relationships. Section A: Mon., Wed., and Fri., 11.10 A.M.; section B: Mon., Wed., and Fri., 5.10 P.M.
- 152 *Secondary Education: The Junior High School\** (2) Fox  
Development; purposes; organization and administration; guidance; program of studies; extracurricular activities.  
Summer Sessions 1938—daily except Sat., 7.30 A.M., six weeks' term.
- 170 *Teaching of English\** (2) Tweedie  
A practical course in specific methods for the teaching of the various phases of secondary-school English, combined with a survey of recent professional publications in the field. Lectures, book reviews, and weekly papers. Tues. and Thurs., 5.10 P.M.
- 172 *Teaching of Science\** (2) Fox  
Objectives; selection and organization of subject matter; methods in the classroom and laboratory; measurement; texts; laboratory equipment.  
Summer Sessions 1938—daily except Sat., 9.30 A.M., six weeks' term.
- 174 *The Social Studies\** (2)  
Developments in the teaching of the social studies: aims and methods; classroom and library equipment; evaluation of textbooks; testing. Tues. and Thurs., 5.10 P.M.  
Summer Sessions 1938 (2)—daily except Sat., 8.30 A.M., six weeks' term (Adams).

\* Educational Psychology is prerequisite to all courses in methods.

198 *Proseminar: Methods and Materials in Health Instruction\** (3) Bayh

Primarily for persons who will teach, supervise, or administer health teaching. What to teach, when to teach it, and how to teach in elementary, junior high, and senior high schools. The class will be organized to permit members to work on the problems in their own situations. Mon., 7.30 P.M.

199 *Proseminar: The Organization of the School Health Program\** (3) Bayh

For administrators in the general field, for teachers of health and physical education, and for classroom teachers in other fields who desire to become familiar with this phase of the educational program. The place of the school health program in school organization; general philosophy; techniques for organizing the modern school health program; its principal divisions. Mon., 7.30 P.M.

THIRD GROUP‡

211-12 *Seminar: Educational Classics* (3-3) Ruediger  
Educational writings from Plato to Spencer; special topics. Tues. and Thurs., 5.10 P.M.

213 *Seminar: Origins of American Education* (3) French  
Historical research in American education. Tues., 7.30 P.M.  
Summer Sessions 1938 (3)—daily except Sat., 9.30 A.M., six weeks' term.

216 *Seminar: Teaching Procedures* (3) Ruediger  
Basic principles; current practices; recent literature. Tues. and Thurs., 6.10 P.M.

219 *Seminar: Philosophy of Education* (3) Ruediger  
Basic concepts; leading men and their systems. Tues. and Thurs., 6.10 P.M.  
Summer Sessions 1938 (3)—daily except Sat., 10.30 A.M., six weeks' term (Champlin).

225-26 *In-Service Research* (3-3) The Staff  
Individual research under the guidance of a member of the Staff. Program and conferences arranged with an instructor.

249 *Seminar: The Curriculum* (3) French  
Basic principles; outstanding achievements. Sat., 11.10 A.M. to 1 P.M.

\* Educational Psychology is prerequisite to all courses in methods.

‡ The prerequisite for each third group course is the completion of the appropriate undergraduate work.

Summer Sessions 1938 (3)—daily except Sat., 8.30 A.M., six weeks' term.

- 251-52 *Seminar: Secondary Education* (3-3) Fox  
Methods; principles; objectives; activities; current problems.  
Tues., 7.30 P.M.

Summer Sessions 1938—Education 251, *The Senior High School* (3), daily except Sat., 7.30 A.M., six weeks' term (Smith).

- 259-60 *Seminar: Administration and Supervision of Secondary Education* (3-3) Fox  
Admission, classification, promotion, and control of pupils; financial problems; scheduling of classes; administrative routine; staff organization; building standards; philosophy and organization of supervision; democratic procedures in supervision. Sat., 9.10 to 11 A.M.

- 279 *Seminar: Comparative Education* (3) Champlin  
The school systems of the leading European countries.  
Summer Sessions 1938—daily except Sat., 11.30 A.M., six weeks' term.

- 283-84 *Research Problems* (3-3) Ballou  
Investigations in public-school education. Admission by permission of the instructor. Hours to be arranged.

- 286 *Seminar: Administration* (3) Fox  
Administrative problems affecting teachers; effective human relationships in administration; the control of public education—local, State, and Federal. Thurs., 7.30 P.M.  
Summer Sessions 1938 (3)—daily except Sat., 10.30 A.M., six weeks' term.

- 291-92 *Thesis* (3-3) Consultative Committee  
Program of research arranged with the committee.  
Summer Sessions 1938 (3-3)—hours to be arranged, six weeks' term.

- 293 *Research Studies* (3) French  
Admission by permission of the instructor.  
Summer Sessions 1938—hours to be arranged, six weeks' term.

#### CLOSELY RELATED COURSES IN OTHER DEPARTMENTS

Biology 172, *Teaching of Science*.

English 193, *An Introduction to the Study of Poetry*.

Physical Education for Men 112, *Methods in Health Education*.



Physical Education for Women 105, *School Health Administration.*

Psychology 22, *Introduction to Educational Psychology.*

Psychology 121, *Educational Psychology.*

Psychology 125, *Child Psychology.*

Psychology 128, *Psychology of Adolescence.*

Psychology 134, *Educational Measurements.*

Psychology 151, *Social Psychology.*

Psychology 221-22, *Seminar: Educational Psychology.*

Romance Languages 176, *Teaching of Romance Languages.*

Sociology 120, *Educational Sociology.*

Statistics 131-32, *Statistics in Psychology and Education.*

## ELECTRICAL ENGINEERING

Norman Bruce Ames, M.S., E.E., LL.B., *Professor of Electrical Engineering, Executive Officer.*

Alfred Ennis, M.S., E.E., *Assistant Professor of Electrical Engineering.*

Thomas Alvin O'Halloran, B.S. in E.E., *Associate in Electrical Engineering.*

William Hayward Dix, B.S. in E.E., *Associate in Electrical Engineering.*

*Minimum requirements for the major.*—See page 156.

*Fees.*—For a statement of fees, see page 62.

### FIRST GROUP

#### 9-10 *Elements of Electrical Engineering* (3-3) Ames

First semester: magnetic and electric circuits, and direct-current instruments and machines; second semester: alternating-current circuits, instruments, and machines. Prerequisite: Physics 12. Prerequisite or concurrent registration: Mathematics 20. Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Mon., Wed., and Fri., 6.10 P.M.

#### 13-14 *Direct- and Alternating-Current Laboratory* (2-2)

Ames, Ennis, O'Halloran

For students not majoring in Electrical Engineering. Experiments in direct and alternating currents and direct- and alternating-current machinery. Prerequisite: Electrical Engineering 10. Section A: Mon., 1.40 P.M.; section B: Fri., 1.40 P.M.; section C: Mon., 7.30 P.M.; section D: Fri., 7.30 P.M.

#### 17-18 *Direct-Current Laboratory* (2-2) Ames, Ennis, O'Halloran

For students majoring in Electrical Engineering. A course in measurements and direct-current dynamo laboratory. Prerequisite: Electrical Engineering 9-10. Section A: Mon., 1.40 P.M.; section B: Fri., 1.40 P.M.; section C: Mon., 7.30 P.M.; section D: Fri., 7.30 P.M.

### SECOND GROUP

#### 101 *Electric Circuits* (3)

Ennis

Alternating-current-circuit theory, open only to students majoring in Electrical Engineering. Extensive consideration is given to

harmonic analysis and to the study of harmonics in both single-phase and polyphase circuits. Prerequisite: Physics 12. Mon., Wed., and Fri., 5.10 P.M.

- 102 *Alternating-Current Machinery* (3) Ennis  
Particular attention is given to synchronous generators and motors, and to transformers. Prerequisite: Electrical Engineering 101. Mon., Wed., and Fri., 5.10 P.M.

- 103 *Alternating-Current Machinery* (3) Ames  
A continuation of Electrical Engineering 102, covering converters, induction motors, and single-phase motors. Prerequisite: Electrical Engineering 102. Mon., Wed., and Fri., 5.10 P.M.

- 125-26 *Principles of Electric Power Transmission* (2-2) Ennis  
Mechanical and electrical characteristics of transmission lines; approximate and rigorous solutions by means of hyperbolic functions; steady-state and elementary transient considerations; the more important phases of distribution of electrical energy. Prerequisite: Electrical Engineering 101. Tues. and Thurs., 6.10 P.M.

- 133-34 *Alternating-Current Laboratory* (2-2) Ames, Ennis, O'Halloran  
A continuation of Electrical Engineering 17-18, with experiments on alternating-current circuits, instruments, and machinery. Prerequisite: Electrical Engineering 18 and 103. Section A: Mon., 1.40 P.M.; section B: Fri., 1.40 P.M.; section C: Mon., 7.30 P.M.; section D: Fri., 7.30 P.M.

- 136 *Hydro-electric Engineering* (2) Ames  
Present-day theory and practice in hydro-electric engineering. Prerequisite: Electrical Engineering 10; Civil Engineering 134. Tues. and Thurs., 5.10 P.M.

- 137 *Electric Traction* (2) Ames  
Theory and practice of modern direct- and alternating-current railways. Prerequisite: Electrical Engineering 10. Tues. and Thurs., 5.10 P.M.

- 140 *Electrical Design* (3) Ames  
Principles of design, with reference to materials of construction and electrical equipment. Practical exercises are assigned in connection with classroom work. Prerequisite: Electrical Engineering 103. Mon. and Fri., 5.10 P.M., and Tues., 7.30 P.M.



**141-42 Communication Engineering (2-2)**

**Ennis**

A study of resonate circuits, long lines, filters, coupled circuits, impedance, matching circuits, and of phenomena occurring at communication frequencies. **Prerequisite:** Electrical Engineering 10. **Tues. and Thurs., 5.10 P.M.**

## ENGLISH

DeWitt Clinton Croissant, Ph.D., *Professor of English, Executive Officer.*  
 Robert Whitney Bolwell, Ph.D., *Professor of American Literature.*  
 Joseph Quincy Adams, Ph.D., Litt.D., *Adjunct Professor of English.*  
 Anna Pearl Cooper, A.M., *Associate Professor of English.*  
 Courtland Darke Baker, A.M., *Associate Professor of English.*  
 Audley Lawrence Smith, Ph.D., *Associate Professor of English.*  
 Douglas Bement, A.M., LL.B., *Associate Professor of English.*  
 \*Ernest Sewall Shepard, A.M., *Assistant Professor of English.*  
 Martha Gibbon, A.M., *Assistant Professor of English.*  
 George Winchester Stone, Jr., A.M., *Assistant Professor of English.*  
 Fred Salisbury Tupper, Ph.D., *Assistant Professor of English.*  
 Charles Roberts Anderson, Ph.D., *Visiting Assistant Professor of English.*  
 Charles William Cole, A.M., *Associate in English.*  
 Frank Smith, A.M., *Associate in English.*

*The major.*—The coordinated knowledge which a student must exhibit in the major in English, and upon which he will be examined at the end of his senior year, is summarized under four general headings: (a) the history of English literature from the Anglo-Saxon period to 1900; (b) the chief English writers (a certain familiarity with each man and his main works and a detailed knowledge of Shakespeare); (c) English social and political history, 1300 to 1900, as it bears upon or is reflected in the literature; (d) European intellectual backgrounds and movements which have affected English literature. It is advised that students planning to major in English elect courses in English and European historical and intellectual backgrounds before their junior year. For further details, see the pamphlet on this subject or consult the adviser.

### FIRST GROUP

- I Freshman English† (3)** Bement and Staff  
 Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Tues., Thurs., and Sat., 10.10 A.M.; section C: Mon., Wed., and Fri., 5.10 P.M.; section D: Tues., Thurs., and Sat., 5.10 P.M.  
 English 1x—same as English 1, but offered second semester.  
 Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Tues., Thurs., and Sat., 10.10 A.M.; section C: Mon., Wed., and Fri., 5.10 P.M.; section D: Tues., Thurs., and Sat., 5.10 P.M.

\* On sabbatical leave second semester 1948-49.

† All entering freshmen are required to enroll in the freshman English course unless enrollment is postponed by the Dean. Properly qualified students may be certified by the English Department as exempt from English 2 and may then be allowed to enroll in another first-group English course. No exemptions are granted from English 1.

Summer Sessions 1938 (3)—June 20–July 19—section A: daily except Sat., 9.30 to 11.20 A.M.; section B: daily except Sat., 6.10 to 8 P.M. (Gibbon).

2 *Freshman English* (3)

Bement and Staff

Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Tues., Thurs., and Sat., 10.10 A.M.; section C: Mon., Wed., and Fri., 5.10 P.M.; section D: Tues., Thurs., and Sat., 5.10 P.M.

English 2x—same as English 2, but offered first semester. Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Tues., Thurs., and Sat., 10.10 A.M.; section C: Mon., Wed., and Fri., 5.10 P.M.; section D: Tues., Thurs., and Sat., 5.10 P.M.

Summer Sessions 1938 (3)—July 20–August 19—section A: daily except Sat., 9.30 to 11.20 A.M.; section B: daily except Sat., 6.10 to 8 P.M. (Gibbon).

9 *Sophomore Composition* (3)

Gibbon and Staff

A study of the contemporary essay, with weekly exercises in expository writing. Prerequisite: English 1 and 2. Section A: Mon., Wed., and Fri., 11.10 A.M.; section B: Mon., Wed., and Fri., 5.10 P.M.; section C: Tues. and Thurs., 6.10 to 7.25 P.M.

10 *Sophomore Composition* (3)

Gibbon and Staff

A study of the modern short story, with exercises in narrative writing. Prerequisite: English 1 and 2. Section A: Mon., Wed., and Fri., 11.10 A.M.; section B: Mon., Wed., and Fri., 5.10 P.M.; section C: Tues. and Thurs., 6.10 to 7.25 P.M.

51–52 *Introduction to English Literature* (3–3) Croissant and Staff

A historical survey. Section A: Tues., Thurs., and Sat., 10.10 A.M.; section B: Mon., Wed., and Fri., 5.10 P.M.

Summer Sessions 1938—English 51 (3), daily except Sat., 8.30 A.M., nine weeks' term (Smith); English 52 (3), daily except Sat., 11.30 A.M., nine weeks' term (Smith).

71–72 *Introduction to American Literature* (3–3) Bolwell, Cole

A historical survey. Mon., Wed., and Fri., 10.10 A.M.

91–92 *Introduction to European Literature* (3–3)

Shepard, Stone, and Staff

A historical survey. Section A: Tues., Thurs., and Sat., 10.10 A.M.; section B: Tues., Thurs., and Sat., 5.10 P.M.

Summer Sessions 1938—English 91 (3), daily except Sat., 6.10 P.M., nine weeks' term (Shepard); English 92 (3), daily except Sat., 7.10 P.M., nine weeks' term (Shepard).



## SECOND GROUP

- †115-16 *The Short Story* (3-3) Bement  
The philosophy and technique of the short story from the writer's point of view. Prerequisite: English 10 with honor grade, or permission of the instructor after submission of a specimen of original composition. Mon., Wed., and Fri., 5.10 P.M.
- 117-18 *Creative Writing* (3-3) Bement  
A selected seminar group for the writing of fiction. Prerequisite: English 115-16, or permission of the instructor after submission of a specimen of imaginative writing. Mon., 8.15 P.M.
- 123-24 *Old English* (3-3) Stone  
English language and literature before 1100. Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 5.10 P.M.
- 129-30 *Renaissance and Elizabethan Literature* (2-2) Cooper  
Nondramatic literature from 1400 to 1603. Prerequisite: English 51-52, 71-72, or 91-92. Tues. and Thurs., 10.10 A.M.
- 135-36 *Shakespeare* (3-3) Tupper  
Tues., Thurs., and Sat., 9.10 A.M.
- 139-40 *The Seventeenth Century* (2-2) Baker  
English literature from 1603 to 1660. Prerequisite: English 51-52, 71-72, or 91-92. Tues. and Thurs., 6.10 P.M.
- 141-42 *The Neoclassical Movement* (2-2) Croissant  
Poetry and prose from 1660 through the mid-eighteenth century. Prerequisite: English 51-52, 71-72, or 91-92. Tues. and Thurs., 5.10 P.M.  
Summer Sessions 1938—English 142 (3). Chief writers from Swift to Dr. Johnson. Daily except Sat., 6.10 P.M., nine weeks' term.
- 151-52 *The Romantic Movement* (3-3) A. Smith  
From the mid-eighteenth century through Shelley and Keats. Prerequisite: English 51-52, 71, or 91-92. Mon., Wed., and Fri., 10.10 A.M.  
Summer Sessions 1938—English 152 (3). Emphasis on Byron, Shelley, and Keats. Daily except Sat., 5.10 P.M., nine weeks' term.
- 161-62 *Victorian Literature* (3-3) Shepard, Gibbon  
Poetry and prose from 1830 to 1890. Prerequisite: English 51-52, 71-72, or 91-92. Tues., Thurs., and Sat., 11.10 A.M.  
Summer Sessions 1938—English 161 (2). Major prose writers from Carlyle to Huxley. Daily except Sat., 9.30 A.M., six weeks' term (Gibbon).

- 165 *Contemporary British Literature* (3) Baker  
A survey of British literature since 1890. Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 6.10 P.M.
- 166 *American Literature since 1912* (3) Baker  
Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 6.10 P.M.
- 171-72 *Studies in American Literature* (3-3) Bolwell, Cole  
Major factors in the national cultural tradition as shown by outstanding writers. Prerequisite: English 51-52 or 71-72. Mon., Wed., and Fri., 5.10 P.M.
- 174 *Chief American Romanticists* (3) Anderson  
Various aspects of romanticism in mid-nineteenth-century culture.  
Summer Sessions 1938—daily except Sat., 6.10 P.M., nine weeks' term.
- 176 *The American Novel* (3) Bolwell  
American fiction, including the short story, from its beginnings to the present day. Prerequisite: English 51-52 or 71-72.  
Summer Sessions 1938—daily except Sat., 5.10 P.M., nine weeks' term.
- 178 *Modern American Poetry* (3) Anderson  
Contemporary writers and literary movements.  
Summer Sessions 1938—daily except Sat., 10.30 A.M., six weeks' term.
- 179-80 *Proseminar: Readings for American Civilization Major* (3-3) Bolwell, Cole  
Conferences and group discussions. Hours to be arranged.
- 181-82 *The English Novel* (3-3) Cooper  
Prerequisite: English 51-52, 71-72, or 91-92. Mon., Wed., and Fri., 11.10 A.M.
- 183 *The English Drama before 1642* (3) Tupper  
Deals primarily with Shakespeare's contemporaries. (Offered in 1939-40 and alternate years)  
Summer Sessions 1938 (3)—daily except Sat., 6.10 P.M., nine weeks' term.
- 184 *The English Drama since 1660* (3) Croissant  
(Offered in 1939-40 and alternate years)

- 193 *An Introduction to the Study of Poetry* (2) Tupper  
Summer Sessions 1938—daily except Sat., 8.30 A.M., six weeks' term.
- 199-200 *Proseminar: Readings for English Literature Major* (3-3) Stone, Baker  
Conferences and group discussions. Hours to be arranged.

## THIRD GROUP

- 201-2 *Methods and Materials in Elizabethan Research* (3-3) Adams  
Open only to graduate students. Admission by permission of the instructor. Mon., 7.30 P.M.
- †229-30 *Seminar: Elizabethan Criticism* (3-3) Cooper  
Prerequisite: English 129-30. Tues., 7.30 P.M.
- 235-36 *Seminar in Shakespeare* (3-3) Tupper  
Prerequisite: English 135-36. Thurs., 7.30 P.M.  
Summer Sessions 1938—English 235 (3). Investigation of special problems. Days to be arranged, 8.10 P.M., nine weeks' term.
- †239-40 *Studies in Early-Seventeenth-Century Literature* (3-3) Baker  
(Offered in 1939-40 and alternate years)
- †241-42 *Studies in Neoclassical Literature* (3-3) Croissant  
Prerequisite: English 141 or 142. Fri., 7.30 P.M.
- †251-52 *Studies in the Romantic Movement* (3-3) A. Smith  
(Offered in 1939-40 and alternate years)
- †271-72 *Seminar: American Literature* (3-3) Bolwell  
Prerequisite: English 171-72 or the equivalent. Mon., 7.30 P.M.
- 276 *Melville and Hawthorne* (3) Anderson  
Special studies for graduate students.  
Summer Sessions 1938—days to be arranged, 8.10 P.M., nine weeks' term.
- 295-96 *History of English Literary Criticism* (3-3) A. Smith  
Open to undergraduates by permission of the instructor. Tues. and Thurs., 6.10 to 7.25 P.M.

## RELATED COURSES IN OTHER DEPARTMENTS

Education 170, *Teaching of English*.

Germanic Languages 125-26, *Anglo-Saxon Grammar and Literature*.



## EXPERIMENTAL MEDICINE

Edward Bright Vedder, A.M., M.D., Sc.D., *Professor of Experimental Medicine, Executive Officer.*

**216 *Clinical Microscopy***

Vedder

Lectures and laboratory work covering aspects of diagnosis, including the study of urinalysis, blood-counting, blood diseases, feces, spinal fluids, Wassermanns, and parasitology. Three hours a week.

**320 *Tropical Medicine (elective)***

Vedder

This course consists of didactic lectures and demonstrations of the more common tropical diseases, with emphasis on their practical application to general medical practice. One hour a week.

**401-2 *Problems and Methods in Experimental Medicine***

Vedder

Hours and credits to be arranged.

## GEOLOGY

Ray Smith Bassler, Ph.D., Sc.D., *Professor of Geology, Executive Officer.*

*Minimum requirements for the major.*—Twenty-four semester-hours of Geology beyond the first-group course.

### FIRST GROUP

- 21-22 *Physical and Historical Geology* (3-3) Bassler  
Survey course covering the principles of physiography, geology, and mineralogy, introductory to all work in the Department. Mon., Wed., and Fri., 6.10 P.M. Field work—hours to be arranged.

### SECOND GROUP

- 121-22 *Paleontology* (3-3) Bassler  
Lectures and laboratory work on classification and structure of fossil invertebrates, vertebrates, and plants, including their use as guide fossils in stratigraphic geology. Fri., 7.10 to 9.30 P.M., other hours to be arranged. (Not offered in 1938-39)
- 123-24 *Regional Geology of North and South America* (3-3) Bassler  
Lectures and map work on the physiographic regions of the Western Hemisphere, stressing the relationship between geology and geography and culture. (Not offered in 1938-39)
- 125-26 *Regional Geology of the Eastern Hemisphere* (3-3) Bassler  
Alternating with Geology 123-24 and with it completing a survey of the world. Mon., 7.10 to 9.30 P.M., other hours to be arranged.

### THIRD GROUP

- 215-16 *Seminar* (3-3) Bassler  
Detailed study and presentation by the class and instructor of some phase of geology, with review of current literature. Wed., 7.10 to 9.30 P.M.
- 227-28 *Research* Bassler  
Original work on individual problems, including a digest of the published record. Hours and credits to be arranged.

## GERMANIC LANGUAGES AND LITERATURES

Edward Henry Sehrt, Ph.D., *Professor of German, Executive Officer.*

Gretchen Louisa Rogers, A.M., *Instructor in German.*

Wolfram Karl Legner, Ph.D., *Instructor in German.*

*Minimum requirements for the major.*—Twenty-four semester-hours of German beyond first-group courses.

### FIRST GROUP

#### †1-2 *First-Year German* (3-3) Rogers, Legner

The essentials of German grammar; translation of easy prose. Section A: Tues., Thurs., and Sat., 9.10 A.M.; section B: Mon., Wed., and Fri., 11.10 A.M.; section C: Mon., Wed., and Fri., 11.10 A.M.; section D: Mon., Wed., and Fri., 5.10 P.M.; section E: Mon., Wed., and Fri., 6.10 P.M.

Summer Sessions 1938 (3-3)—section A: daily except Sat., 9.30 to 11.20 A.M.; section B: daily except Sat., 6.10 to 8 P.M., nine weeks' term (Sehrt and Legner).

#### †5-6 *Second-Year German* (3-3) Rogers, Legner

Selections from modern German prose; review of grammar. Prerequisite: German 1-2 or two years of high-school German. Section A: Tues., Thurs., and Sat., 9.10 A.M.; section B: Mon., Wed., and Fri., 11.10 A.M.; section C: Mon., Wed., and Fri., 5.10 P.M.; section D: Mon., Wed., and Fri., 6.10 P.M.

Summer Sessions 1938 (3-3)—daily except Sat., 6.10 to 8 P.M., nine weeks' term (Sehrt).

#### 7-8 *Scientific German* (3-3) Legner

Prerequisite: German 5-6. Tues. and Thurs., 5.10 to 6.25 P.M.

### SECOND GROUP\*

#### †101-2 *Rapid Readings in Modern German Prose* (3-3) Sehrt

Mon., Wed., and Fri., 5.10 P.M.

#### †103-4 *Goethe's "Faust"* (3-3) Sehrt

Mon., Wed., and Fri., 6.10 P.M.

#### †105-6 *German Classicism* (3-3) Sehrt

Particularly the works of Goethe and Schiller. Hours to be arranged.

\* Not more than two courses from the second group and two from the third group will be given in 1938-39.



†107-8	<i>Advanced Prose Composition (1-1)</i>	Rogers
	Hours to be arranged.	
109-10	<i>German Drama since 1800 (3-3)</i>	Sehrt
	Dramas of Kleist, Grillparzer, Hebbel, and Hauptmann.	Hours
	to be arranged.	
†111-12	<i>The German Romantic Movement (3-3)</i>	Sehrt
	Hours to be arranged.	
†119-20	<i>Survey of German Literature (3-3)</i>	Sehrt
	Hours to be arranged.	
†125-26	<i>Anglo-Saxon Grammar and Literature (3-3)</i>	Sehrt
	Hours to be arranged.	

## THIRD GROUP\*

†201-2	<i>Middle High German (3-3)</i>	Sehrt
	Hours to be arranged.	
†205-6	<i>Gothic (3-3)</i>	Sehrt
	Introduction to the comparative study of the Germanic languages.	Hours to be arranged.
†209-10	<i>Old High German (3-3)</i>	Sehrt
	Hours to be arranged.	
213-14	<i>Old Norse (3-3)</i>	Sehrt
	Hours to be arranged.	
221	<i>Introduction to Linguistics</i>	Sehrt
	Admission by permission of the instructor.	Hours and credits to be arranged.
222	<i>Indo-European Languages</i>	Sehrt
	Application of the laws of sound change in language; origin and development of suffixes and inflections; syntax.	Hours and credits to be arranged.
†223-24	<i>Sanskrit (3-3)</i>	Sehrt
	Introduction to comparative Indo-European grammar.	Hours to be arranged.

\* Not more than two courses from the second group and two from the third group will be given in 1948-50.

## HEALTH ADMINISTRATION

Daniel LeRay Borden, A.M., M.D., *University Surgeon, Director.*

Frank Adelbert Hornaday, M.S., M.D., *Consulting University Physician.*

Robert Howe Harmon, A.B., M.D., *University Physician.*

Francis George Speidel, M.D., *Associate University Physician.*

Jeter Carroll Bradley, M.D., *Associate University Physician.*

Mervin Wilbur Glover, M.D., *Associate University Physician.*

Richard Bernard Castell, A.B., M.D., *Associate University Physician.*

The payment of the University fee entitles students to health services herein-after described. Through reports from the students and University officials, the University attempts to keep informed as to all cases of illness among its students.

Medical privileges include: (1) the physical examination of all students entering from secondary schools;\* (2) three visits by the University physician or surgeon, office or home, in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) hospitalization, including board, medicine, and nursing in the University Hospital for not more than two weeks during a school year—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

This medical benefit does not include treatment for illness or disability incurred previous to the University term or prior to payment of the University registration fee.

Students are allowed, if they so desire, to engage physicians and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules: (1) The Director of Health Administration is empowered to limit or deny the medical benefits where, in his discretion, a student has, by his misconduct or breach of the rules of the University, made himself ineligible; (2) the Director of Health Administration has authority to determine the necessity and length of hospitalization; (3) students who have severed their connection with the University are ineligible for medical benefits; (4) students intending to train for athletic teams are required to pass a thorough examination at the beginning of each semester; (5) the above regulations apply also during the Summer Sessions of the University.

\* A charge of \$2 is made if a student fails to appear for a physical examination during the period set for this purpose.

## HISTORY

George Morton Churchill, Ph.D., *Professor of English History.*

Elmer Louis Kayser, Ph.D., *Professor of European History.*

Lowell Joseph Ragatz, Ph.D., *Professor of European History.*

George Howland Cox, *Adjunct Professor of Hispanic American History.*

Alva Curtis Wilgus, Ph.D., *Associate Professor of Hispanic American History.*

Wood Gray, Ph.D., *Associate Professor of American History, Executive Officer.*

Howard Maxwell Merriman, Ph.D., *Assistant Professor of American History.*

*The major.*—Prerequisite: History 39-40 and 71-72. Required: twenty-four semester-hours of second- and third-group courses, including one six-hour seminar. Recommended in addition: Introductory Economics; International Law; History of Philosophy.

### FIRST GROUP

#### 39-40 *The Development of European Civilization* (3-3)

Kayser, Ragatz

First semester: the political, social, economic, and cultural history of the Old World from ancient times to 1789; second semester: from 1789 to the present. Primarily for freshmen. Section A: Mon., Wed., and Fri., 9.10 A.M.; section B: Tues., Thurs., and Sat., 5.10 P.M.

Summer Sessions 1938—History 39 (3), daily except Sat., 11.30 A.M., nine weeks' term (Kayser); History 40 (3), daily except Sat., 8.30 A.M., nine weeks' term (Ragatz).

#### 71-72 *The Development of American Civilization* (3-3)

Gray, Merriman

A survey of the economic, social, political, and cultural forces and occurrences of the United States in their world setting. First semester: the background of modern America, 1492-1865; second semester: the emergence and problems of modern America, 1865 to the present. Primarily for sophomores. Section A: Mon., Wed., and Fri., 9.10 A.M.; section B: Tues., Thurs., and Sat., 5.10 P.M.

Summer Sessions 1938—History 71 (3), daily except Sat., 5.10 P.M., nine weeks' term (Gray); History 72 (3), daily except Sat., 6.10 P.M., nine weeks' term (Merriman).



## SECOND GROUP

- 110 *The Civilization of the Later Middle Ages* (3) Kayser  
A study of the intellectual history of Europe in the twelfth and thirteenth centuries. (Not offered in 1938-39)
- 120 *Intellectual Aspects of the Renaissance and Reformation* (3) Kayser  
A study of the cultural history of early modern Europe. (Offered in 1939-40 and alternate years)  
Summer Sessions 1938 (3)—daily except Sat., 5.10 P.M., nine weeks' term.
- 130 *Nationalism* (3) Kayser  
The historical evolution of modern nationalism. Prerequisite: History 39-40 or 151-52. Mon., Wed., and Fri., 11.10 A.M.  
Summer Sessions 1938 (2)—daily except Sat., 10.30 A.M., six weeks' term.
- 137 *Iberian Civilization* (2) Wilgus  
A survey of the civilization of Spain and Portugal. Prerequisite: History 39-40. Tues. and Thurs., 11.10 A.M.
- 141 *The Diplomatic History of Europe, 1815-1914* (3) Ragatz  
A survey of international relations from the Congress of Vienna to the outbreak of the World War. Prerequisite: History 39-40 or 151-52. Mon., Wed., and Fri., 5.10 P.M.
- 143 *Europe Since 1914\** (3) Ragatz  
The World War and its aftermath. (Offered in 1939-40 and alternate years)
- 146 *Modern Imperialism* (3) Ragatz  
International rivalries in Africa, Asia, and the Pacific basin. Prerequisite: History 39-40 or 151-52. Mon., Wed., and Fri., 5.10 P.M.
- 147 *Economic History of Europe* (3) Ragatz  
A survey from ancient times to the present day. Prerequisite: History 39-40 or 151-52. Mon., Wed., and Fri., 9.10 A.M.
- 149 *The Contemporary World\** (3) Ragatz  
The post-war era in its political, social, economic, and cultural aspects.  
Summer Sessions 1938—daily except Sat., 7.30 A.M., nine weeks' term.
- 151-52 *English History* (3-3) Churchill  
A general survey course with emphasis on political development.

\* Either History 143 or 149 may be taken for credit, but not both.

First semester: to 1603; second semester: from 1603 to the present. Tues., Thurs., and Sat., 10.10 A.M.

- 153 *The British Empire* (3) Churchill  
The growth of the British Empire, with particular reference to geographical factors and to the political development of the Empire and the Dominions. Prerequisite: History 39-40, 71-72, or 151-52. Tues., Thurs., and Sat., 9.10 A.M.
- 154 *The History of Canada* (3) Churchill  
Canada and its history as a connecting link between Great Britain and the British Empire, and the United States. Prerequisite: History 39-40, 71-72, or 151-52. Tues., Thurs., and Sat., 9.10 A.M.
- 157-58 *English Constitutional History* (3-3) Churchill  
The development of the English Constitution, from its Saxon and feudal origins, in its historical setting. First semester: to 1399; second semester: 1399 to the present time. Prerequisite: History 39-40, 71-72, or 151-52. Tues., 6.10 to 7 P.M., and Thurs., 6.10 to 8 P.M.
- 161-62 *Hispanic American Civilization* (3-3) Wilgus  
A survey of the political, economic, social, and institutional affairs of the American colonies of Spain and Portugal in the Colonial Period (first semester) and in the Period of Independence (second semester). Mon., Wed., and Fri., 11.10 A.M.
- 163 *The Pan American Movement* (2) Wilgus  
A survey of the relations of the United States with Hispanic America, emphasizing especially Pan Americanism. Prerequisite: History 71-72 or 161-62. Tues. and Thurs., 5.10 P.M.
- 164 *The Great States of Hispanic America* (2) Wilgus  
A survey of the history and civilization of Mexico, Argentina, Brazil, and Chile since independence. Prerequisite: History 71-72 or 161-62. Tues. and Thurs., 5.10 P.M.
- 165 *Hispanic American Constitutional History* (2) Wilgus  
A survey of the political institutions of the nations of Hispanic America since independence. (Not offered in 1938-39)
- 167-68 *Current Hispanic American Problems* (2-2) Cox  
(Not offered in 1938-39)
- 171-72 *Social History of the United States* (3-3) Gray  
The development of the mind and character of the American people as revealed in their daily life, institutions and relationships, and intellectual and artistic achievements. First semester:

the Agrarian Era, 1607-1861; second semester: the Urban-Industrial Era, 1861 to the present time. Prerequisite: History 71-72. Mon., Wed., and Fri., 5.10 P.M.

- 174 *Economic History of the United States* (3) Gray  
Main trends in the development of American agriculture, industry, and trade since 1607, with emphasis on tendencies and problems since the Civil War. (Offered in 1939-40 and alternate years)

- 176 *Representative Americans: A Biographical Approach to National History* (3) Gray  
A study of some forty or fifty significant and pivotal personalities in the development of the United States in government, business, science, education, religion, journalism, the arts, and social reform, from 1636 to the present time. Prerequisite: History 71-72. Mon., Wed., and Fri., 10.10 A.M.

Summer Sessions 1938 (3)—daily except Sat., 6.10 P.M., nine weeks' term.

- 181-82 *History of the Foreign Relations of the United States\** (3-3) Merriman

A survey of American diplomatic problems from the period of the American Revolution to the present, with special emphasis on tendencies toward isolation, expansion, and collectivism; on disputes with foreign countries and their settlement; and on the activities of American Secretaries of State and diplomatic agents. First semester: to the Civil War; second semester: since the Civil War. Prerequisite: History 39-40, 71-72, or 151-52. Mon., Wed., and Fri., 6.10 P.M.

- 183 *The American Empire: Possessions and Areas of Special Interest to the United States* (3) Merriman  
A survey of the political, economic, social, and cultural life of the Philippines, Hawaii, Samoa, Alaska, Cuba, Puerto Rico, Haiti, the Dominican Republic, Panama, and Nicaragua, with special stress on their relations with the United States. Prerequisite: History 71-72 or 181-82. Mon., Wed., and Fri., 10.10 A.M.

- 186 *Recent American Foreign Policy\** (2) Merriman  
A study of the dominant tendencies in the diplomatic history of the United States from 1898 to the present, covering in detail

\* Either History 182 or 186 may be taken for credit, but not both.



the Theodore Roosevelt era, the World War and post-war periods, and the Franklin D. Roosevelt era.  
 Summer Sessions 1938—daily except Sat., 11.30 A.M., six weeks' term.

- 191-92 *Current History* (1-1) Merriman  
 Contemporary events in their world setting. Sat., 11.10 A.M.  
 Summer Sessions 1938—History 192 (2), daily except Sat., 9.30 A.M., six weeks' term (Kayser and Merriman).

### THIRD GROUP

- 203 *Proseminar: History and Historians* (3) The Staff  
 History generally considered, as distinguished from the history of a special country or topic: its nature, relations, methods, interpretations, and history. Required of all graduate students specializing in History. Open by permission to other graduate students and to properly qualified undergraduate History majors. A reading knowledge of one modern foreign language is assumed. Mon., 8 to 10 P.M.
- 235-36 *The Intellectual History of Europe* (3-3) Kayser  
 Select readings and group discussion of the principal phases of the cultural history of Europe. For graduate students. Hours to be arranged.
- †241-42 *Proseminar in Modern European History* (3-3) Ragatz, Kayser  
 Studies in social and economic transition. Prerequisite: History 39-40 or 151-52. Thurs., 8 to 10 P.M.
- 243 *Proseminar in Modern European History* (3) Ragatz  
 Contemporary European dictatorships.  
 Summer Sessions 1938—Tues. and Thurs., 8.10 to 10 P.M., nine weeks' term.
- 245-46 *The New Europe* (3-3) Ragatz  
 Select readings and group discussion of the transformation of Old World institutions since the late war. For graduate students. Hours to be arranged.
- †251-52 *Proseminar: The Later Stuarts* (3-3) Churchill  
 First semester: topics and problems relating to the Stuart tyranny and the Revolution of 1688; second semester: topics and problems relating to the reign of Queen Anne. Prerequisite: History 39-40 or 151-52. Tues., 8 to 10 P.M.
- †261-62 *Proseminar: Studies in Hispanic American Leadership* (3-3) Wilgus  
 A detailed study of selected leading Hispanic Americans of the

nineteenth and twentieth centuries. Prerequisite: History 71-72 or 161-62. Thurs., 8 to 10 P.M.

265-66 *The Age of Dictators in Hispanic America* (3-3) Wilgus  
Select readings and group discussion of selected Hispanic American executives. For graduate students. Hours to be arranged.

†271-72 *Proseminar: Sectional Forces in American History* (3-3)  
Merriman, Gray  
A study of regional influences upon the outlook and problems of the United States. First semester: the Frontier; second semester: the Old South. Prerequisite: History 71-72. Tues., 8 to 10 P.M.

275-76 *American Industrial Society* (3-3) Gray  
Select readings and group discussion covering the leading phases of the economic and social growth of the United States. For graduate students. Hours to be arranged.

†299-300 *Thesis* (3-3) The Staff  
Required of all graduate students specializing in History. Hours to be arranged.

## HOME ECONOMICS

Frances Kirkpatrick, A.M., *Associate Professor of Home Economics, Executive Officer.*

Kathryn Mildred Towne, A.M., *Assistant Professor of Home Economics.*

*Minimum requirements for the major.*—See pages 170-71.

*Fees.*—For a statement of material fees, see page 62.

### FIRST GROUP

- 1 *Food Selection and Preparation* (3) Kirkpatrick  
Composition, selection, and preparation of food; factors involved in cooking; analyses of recipes; standard products; fundamental principles of planning, preparing, serving, and estimating the cost of single meals. Section A: Mon. and Wed., 1.40 to 4.30 P.M.; section B: Mon. and Wed., 5.10 to 8 P.M.
- 22 *Clothing: Its Selection, Cost, and Care* (3) Towne  
Clothing selection—the economic, aesthetic, and hygienic aspects; the application of the principles of color and design to individual selection; the care of clothing. Mon., Wed., and Fri., 11.10 A.M.
- 51 *Family Meals* (3) Kirkpatrick  
The choice, purchase, preparation, and service of food; dietary standards, food habits, and the nutritional needs of the family; marketing and food preservation; problems of purchasing; care and use by the consumer. Mon. and Wed., 11.10 A.M. Laboratory—Fri., 11.10 A.M. to 1 P.M.
- 52 *Food Problems* (3) Kirkpatrick  
Factors affecting the preparation of standard products from the experimental viewpoint; principles of food demonstrations. (Not offered in 1938-39)
- 54 *Family Health and Household Sanitation* (3) Kirkpatrick  
Home hygiene and home care of the sick; the principles of household sanitation in relation to health and disease. Mon. and Wed., 11.10 A.M. to 12 M. Laboratory—Fri., 11.10 A.M.
- 61 *Clothing Construction* (3) Towne  
Techniques of construction suitable for cotton, wool, and silk fabrics; the use of commercial patterns and their simple altera-



tion; the proper selection of color, design, and fabric. Mon. and Wed., 10.10 A.M. to 1 P.M.

- 70 *Fashion Economics and Costume Design* (3) Towne  
Factors determining fashions and their effects on the cost of clothing; present problems confronting the consumer of textiles and clothing; the textile and clothing industries; standardization of fabrics and legislation; a brief study of historic costume and its relation to modern dress. Mon., Wed., and Fri., 10.10 A.M.
- 72 *Household Textiles* (3) Towne  
Study of standard fabrics from the standpoint of the consumer for the purpose of developing good judgment in buying clothing and house-furnishing materials; properties and uses of the different textile fibers and fabrics studied. Tues. and Thurs., 5.10 to 7 P.M.

#### SECOND GROUP

- 102 *Advanced Food Preparation* (3) Kirkpatrick  
The application of the fundamental processes of food preparation to a wider range of food materials; practice in home cooking and fancy cooking; serving of formal and informal meals; refreshments for special functions. Tues. and Thurs., 9.10 A.M. to 12 M.
- 123 *Household Finance and Problems of the Consumer* (3) Towne  
Economic problems of the family in modern industrial society; family income; income apportionment and household expenditures; laws affecting the home; investments; consumer buying. Tues. and Thurs., 5.10 to 6.25 P.M.
- 143 *Advanced Clothing Construction* (3) Towne  
Problems of clothing construction, including renovation, flat pattern, designing, and tailoring processes. Mon. and Wed., 5.10 to 8 P.M.
- 152 *Nutrition and Dietetics* (3) Kirkpatrick  
Principles of normal human nutrition; solution of practical and abnormal feeding problems of the family in relation to health and disease; calculation and preparation of dietaries. Mon. and Wed., 5.10 to 7 P.M.
- 171 *House Furnishing* (3) Towne  
Home planning and furnishing: historic, artistic, economic, and sanitary viewpoints; application of the principles of design and color to the problems of selection and arrangement of house-

hold furnishings; home furnishings such as linens, dishes, floor coverings, mattresses, etc. Tues. and Thurs., 1.40 to 3.30 P.M.

- 192 *The Home, Its Management and Equipment* (3) Kirkpatrick  
The home as it is influenced by training and by expenditure of time, energy, and money; problems in the selection, arrangement, and care of equipment and household utensils. Tues. and Thurs., 1.40 to 3.30 P.M.

- 197-98 *Proseminar* (3-3)

The Staff

The study of the most recent materials and problems in the various phases of home economics. *First semester.* Thurs., 7.10 to 9 P.M. *Second semester.* Tues., 7.10 to 9 P.M.

## JOURNALISM

Edward Joseph Duffy, A.B., *Lecturer in Journalism.*

Nathan Robertson, A.B., *Lecturer in Journalism.*

### SECOND GROUP

101-2 *Journalism Survey* (3-3)

Duffy

An introduction to the opportunities and techniques of newspaper reporting, feature writing, and copy reading; examination, in the perspective of the history of journalism, of the modern methods of gathering and presenting news. Mon. and Wed., 5.10 to 6.25 P.M.

103-4 *Advanced Reporting* (3-3)

Robertson

Training in the coverage and writing of national and international news, with special consideration given to the qualifications necessary for Washington correspondence and press-association reporting. Prerequisite: a survey course in Journalism or the equivalent. Tues. and Thurs., 5.10 to 6.25 P.M.

### THIRD GROUP

201-2 *News Values* (3-3)

Duffy

A discussion course dealing with contemporary public issues as portrayed in the newspapers, magazines, and over the radio, designed to acquaint the student with the functions and responsibilities of the press and to equip him with a more thorough understanding of how to read the newspapers. Mon. or Wed., 8 to 9.30 P.M.



## LAW

John Wilmer Latimer, LL.B., *Professor of Law.*

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law,  
Executive Officer.*

Charles Sager Collier, A.B., LL.B., S.J.D., *Professor of Law.*

Hector Galloway Spaulding, B.S., LL.B., S.J.D., *Professor of Law.*

Walter Lewis Moll, A.B., LL.B., S.J.D., *Professor of Law.*

Joseph Winston Cox, LL.B., *Adjunct Professor of Law.*

Lloyd Hall Sutton, B.S., LL.B., *Adjunct Professor of Law.*

Spencer Gordon, A.B., LL.B., *Adjunct Professor of Law.*

Conway Peyton Coe, A.B., LL.B., *Adjunct Professor of Law.*

Levi Russell Alden, A.M., LL.B., *Adjunct Professor of Law.*

Gilbert Lewis Hall, A.B., LL.B., *Adjunct Professor of Law.*

\*William Thomas Fryer, A.B., LL.B., J.D., *Associate Professor of Law.*

Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Associate Professor  
of Law.*

Carville Dickinson Benson, Jr., A.B., LL.B., S.J.D., *Associate Professor  
of Law.*

James Forrester Davison, A.B., LL.M., S.J.D., *Associate Professor of  
Law.*

John Albert McIntire, A.B., LL.B., *Associate Professor of Law.*

William Randall Compton, M.B.A., LL.B., J.S.D., *Assistant Professor  
of Law.*

Chester Charles Ward, B.S., LL.M., *Assistant Professor of Law.*

Clarence Altha Miller, LL.M., *Lecturer in Law.*

James Oliver Murdock, Ph.B., LL.B., *Lecturer in Law.*

James Robert Kirkland, A.B., LL.M., *Lecturer in Law.*

Frank Lawrence Mechem, Ph.B., LL.B., *Lecturer in Law.*

Justin Lincoln Edgerton, A.B., LL.B., *Associate in Law; Clerk of the  
Moot Court.*

## MOOT COURT OF APPEALS

Brainard Warner Parker, LL.B., *Chief Justice.*

George Francis Williams, LL.M., *Associate Justice.*

Paul Edgar Lesh, LL.M., *Associate Justice.*

*Minimum requirements for the degrees.—See pages 149-50.*

\* On sabbatical leave first semester 1938-39.

- 105-6 *Civil Procedure* (2-2) Fryer, Mechem  
The function and composition of pleadings; the relation of pleadings to proof. Emphasis will be placed upon reforms of pleading, as exemplified by modern code provisions and court rules, including the new Federal rules of procedure. Clark, *Cases on Pleading and Procedure*, one-vol. ed., 1934. Section A: Wed., 10.10 A.M., and Thurs., 9.10 A.M.; section B: Tues., 5.10 and 6.10 P.M.
- 111-12 *Contracts I* (2-2) McIntire, Ward  
Promissory obligations covering the formalities of offer and acceptance, consideration, statute of frauds, formal instruments, rights of third parties, assignments, and joint obligations. Williston, *Cases on Contracts*, 4th ed. Section A: Mon., 9.10 A.M., and Fri., 12.10 P.M.; section B: Mon., 5.10 and 6.10 P.M.; section C: Tues., 5.10 and 6.10 P.M.
- 114 *Contracts I Special* (4) Ward  
Content same as Law 111-12. Mon. and Tues., 5.10 and 6.10 P.M.
- 123-24 *Criminal Law and Procedure* (2-2) Compton, Kirkland  
Criminal act and intent: motive; mistake; criminal negligence; statutory crimes; solicitation, attempt; assault and battery; mayhem; false imprisonment; homicide; rape; larceny and related offenses; burglary; arson; parties in crime; constitutional provisions; criminal procedure; evidence. Harbo, *Cases and Other Materials on Criminal Law and Procedure*. Section A: Thurs., 11.10 A.M., and Fri., 10.10 A.M.; section B: Thurs., 5.10 and 6.10 P.M.; section C: Wed., 5.10 and 6.10 P.M.
- 126 *Criminal Law Special* (4) Kirkland  
Content same as Law 123-24. Thurs. and Fri., 5.10 and 6.10 P.M.
- 129-30 *Judicial Process and the Use of Legal Materials* (2-2) Benson  
Introduction to the study of law; development of English courts, procedure, legal profession, and law books; organization of American courts and legal profession; use of law books; study of trial procedure. Benson and Fryer, *Readings on the Study of Law and the Anglo-American Legal System*; Arnold and James, *Cases on Trials, Judgments, and Appeals*. Section A: Tues. and Wed., 9.10 A.M.; section B: Tues., 5.10 and 6.10 P.M.; section C: Mon., 5.10 and 6.10 P.M.
- Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., first term.

133-34 *Property I (2-2)*

Fryer, —

Actions concerning chattels and documentary intangibles; the concepts of property, possession, and ownership; bailments; liens, pledges, fixtures, and emblements. Bohlen, Appendix to Cases on Conversion, 3d ed., 1933, with supplementary materials; Fryer, Readings on Personal Property, 3d ed., 1938; Bigelow, Cases on Personal Property, 2d ed., 1931. Section A: Wed., 12.10 P.M., and Fri., 9.10 A.M.; section B: Fri., 5.10 and 6.10 P.M.; section C: Thurs., 5.10 and 6.10 P.M.

137-38 *Property II (2-2)*

Spaulding

Real property; introduction; estates; seisin; landlord and tenant; future interests at common law and under the statutes of uses and wills; merger; elementary study of remoteness and powers; adverse possession; prescription; natural rights. Fraser, Cases on Property, vols. I and II. Section A: Tues., 11.10 A.M., and Thurs., 12.10 P.M.; section B: Wed., 5.10 and 6.10 P.M.

141-42 *Torts (2-2)*

Van Vleck, Ward

Civil liability for harms to legally protected interests. Topics include assault, battery, imprisonment, trespass, conversion, deceit, defamation, malicious prosecution, strict liability, negligence, affirmative duties, privilege, and legal causation. Section A: Mon., 11.10 A.M. and 12.10 P.M. (Beale's edition of Ames and Smith, Cases on Torts); section B: Wed., 5.10 and 6.10 P.M. (Bohlen, Cases on Torts); section C: Fri., 5.10 and 6.10 P.M. (Bohlen, Cases on Torts).

Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., second term (Ward).

201-2 *Agency (2-2)*

Compton

Problems of agency in the conduct of business; partnerships. Steffen, Cases on Agency. Section A: Mon. and Fri., 9.10 A.M.; section B: Wed., 5.10 and 6.10 P.M.

209-10 *Bills and Notes (2-2)*

Oppenheim

Bills of exchange, promissory notes and checks, especially under negotiable-instruments law; form and inception; principles of negotiability; indorsements; holders in due course; banker-depositor relationships; liability of maker and acceptor, drawer and indorser; discharge. Britton, Cases on Bills and Notes, 2d ed. Section A: Tues. and Wed., 9.10 A.M.; section B: Mon., 5.10 and 6.10 P.M.

213-14 *Constitutional Law I (2-2)*

Collier

Historical introduction to American Constitutional Law; judi-



cial approach and methods in dealing with questions of constitutional law; nature of justiciable controversies; doctrine of the separation of powers; powers of the National Government separately considered; the Federal system; relation of the State courts and the Federal courts. Dodd, *Cases on Constitutional Law*, 2d ed., 1937. Section A: Wed. and Fri., 11.10 A.M.; section B: Tues., 5.10 and 6.10 P.M.

221-22 *Contracts II* (2-2)

Moll

Performance; conditions express and implied; effect of plaintiff's failure to perform his promise; impossibility; illegality; quasi-contractual recovery in contract cases. Williston, *Cases on Contracts*, 4th ed.; Thurston, *Cases on Quasi-Contracts*. Section A: Thurs. and Fri., 12.10 P.M.; section B: Thurs., 5.10 and 6.10 P.M.

Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., first term.

231-32 *Equity I* (2-2)

Spaulding

Specific performance of contracts; equitable conversion, rights of third parties; statute of frauds; part performance with compensation; mutuality; conditions; fraud; mistake, hardship; equitable servitudes; powers of a court of equity; effect and enforceability elsewhere of its decrees. Chafee and Simpson, *Cases on Equity*. Section A: Mon., 10.10 A.M., and Wed., 12.10 P.M.; section B: Fri., 5.10 and 6.10 P.M.

241-42 *Evidence* (2-2)

Latimer, Fryer

Functions of court and jury; witnesses; hearsay, opinion and circumstantial evidence, proof of authenticity, and contents of writings. Section A: Tues. and Thurs., 11.10 A.M. (Morgan and Maguire, *Cases on Evidence*, reprint, 1937); section B: Mon., 5.10 and 6.10 P.M. (Hinton, *Cases on Evidence*, 2d ed., 1931).

251-52 *Property III* (2-2)

Benson

Conveyances, rents, easements, profits, licenses, covenants running with the land, and recording; formation and revocation of wills; testate and intestate succession. Kirkwood, *Cases on Conveyances*; Mechem and Atkinson, *Cases on Wills and Administration*. Section A: Mon., 12.10 P.M., and Thurs., 9.10 A.M.; section B: Wed., 5.10 and 6.10 P.M.

303-4 *Administrative Law* (2-2)

Davison

Separation of powers of modern governments; legislative setting for administrative bodies; judicial control of administrative

action, public utilities, taxation, alien laws, Federal trade commission, workmen's compensation, etc. Frankfurter and Davison, Cases on Administrative Law. Section A: Mon. and Tues., 11.10 A.M.; section B: Mon., 5.10 and 6.10 P.M.

Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., second term.

- 311-12 *Business Associations I (2-2)* Davison  
Forms of associations used by modern industry, finance, and general business; legal requirements as to contributions of capital; powers and rights of corporations, corporate officials, and shareholders; meetings and other forms of joint action. Frey, Cases on Business Associations. Section A: Thurs. and Fri., 11.10 A.M.; section B: Fri., 5.10 and 6.10 P.M.

- 315-16 *Conflict of Laws (2-2)* Van Vleck  
Study of cases involving foreign elements; principles of jurisdiction and limitations upon its exercise; procedure, torts, workmen's compensation, contracts, property, family law, administration of estates, business associations. Cheatham, Dowling, and Goodrich, Cases on Conflict of Laws. Section A: Wed., 10.10 and 11.10 A.M.; section B: Thurs., 5.10 and 6.10 P.M.

Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., first term.

- 321-22 *Current Decisions (2-2)* McIntire  
Required of, and limited to, members of the student staff of the *Law Review*.

- 323 *Equity II (2)* Spaulding  
Equitable remedies in general; interpleader; bills of peace; removal of cloud; cancellation; reformation; mistake; injunctions against torts; defenses to specific relief. When given as a year course, it includes defamation and material on protection of public and social interests. Chafee, Cases on Equitable Relief against Torts; Chafee, Cases on Equitable Remedies. Mon., 5.10 and 6.10 P.M.

- 326 *Federal Jurisdiction (2)* Davison  
Constitutional origins and powers of courts in the Federal judicial system; sources of law applicable to disputes in Federal courts; business and extent of jurisdiction of Federal courts. Frankfurter and Shulman, Cases on Federal Jurisdiction. Thurs., 5.10 to 6.10 P.M.

- 329 *Insurance (2)* Ward  
Current problems of insurance law in relation to insurance

institutions and business practices, including historical development but emphasizing especially technical analysis of legal doctrines. Subjects include insurance carrier; interests protected by insurance; selection and control of risks; distribution of coverage. Patterson, Cases on Insurance. Tues., 5.10 and 6.10 P.M.

331 *Labor Law* (2)

Spaulding

Legality of collective action, of ends sought thereby and of means used in labor controversies; strike, picketing, boycott, union label, anti-union contracts, lockout, blacklist, trade agreements; limitations on labor injunctions; scope and validity of Federal jurisdiction in labor controversies. Landis, Cases on Labor Law. Mon., 5.10 and 6.10 P.M.

335-36 *Moot Court* (2-2)

Latimer, Cox, Hall, Gordon, Edgerton

Open only to students who have completed fifty semester-hours. Prerequisite: Law 105-6 and 241-42. Section A: Sat., 9.10 and 10.10 A.M.; section B: Wed., 5.10 and 6.10 P.M.

345-46 *Patent Law* (2-2)

Sutton

Substantive patent law: patents; conditions precedent to the grant; reissues; disclaimers; property rights in patents; State and Federal regulation; enforcement of patents; Patent Office practice; analysis of the Rules of Practice and appeal and interference procedure. Mon., 5.10 and 6.10 P.M.

349-50 *Patent Moot Court* (2-2)

Coe

This course may be elected instead of Law 335-36 to satisfy the Moot Court requirement. Both subjects may not be counted toward a degree. Wed., 5.10 and 6.10 P.M.

352 *Persons and Domestic Relations* (2)

Compton

Forms of family organization; the contract to marry; marriage; husband and wife; parent and child; family disorganization without judicial decree; annulment; divorce and separation. Jacobs, Cases and Materials on Domestic Relations. Tues., 5.10 and 6.10 P.M.

Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., second term.

353 *Public Utilities* (2)

Davison

What businesses are affected with a public interest; limits of regulation of businesses affected with public interest; withdrawal from public service; ascertainment of value of property used for the public service and the fixing of adequate rates of



return. Welch et al., *Cases on Public Utility Regulation*. Thurs., 5.10 and 6.10 P.M.

359-60 *Sales (2-2)*

Oppenheim

Transfer of property rights to chattels in various types of sales; documents of title and financing; rights and remedies of seller and buyer as to price, security, warranties, and inspection; third parties; effect of fraud; statute of frauds. Williston and McCurdy, *Cases on Sales*, 1932 ed. Fri., 5.10 and 6.10 P.M.

363-64 *Security Transactions (2-2)*

Fryer

Problems arising in connection with the creation of security interests in real and personal property, their transfer, enforcement and extinguishment. The course will also deal with the more important problems in the field of suretyship and guaranty. Casebook to be announced. (Not offered in 1938-39)

Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., second term.

371-72 *Taxation (2-2)*

Collier

Emphasis is placed on the Federal estate tax and the Federal income tax. Attention is paid also to State inheritance and income taxes. Problem of jurisdiction to tax, construction of tax statutes, methods of judicial review of administrative actions in the tax field, modern excise taxes on business concerns. Magill and Maguire, *Cases on Taxation*, 1936 ed. Fri., 5.10 and 6.10 P.M.

375-76 *Trade Regulation (2-2)*

Oppenheim

Unfair trade practices, combination and monopoly at common law and under various statutes; trade-marks; business torts; Sherman Antitrust Act; Federal Trade Commission and Clayton Acts; marketing, price and patent practices; Fair Trade Acts; mergers; trade associations; remedies. Oppenheim, *Cases on Trade Regulation*. Section A: Mon. and Fri., 9.10 A.M.; section B: Thurs., 5.10 and 6.10 P.M.

381-82 *Trusts (2-2)*

Moll

Nature of a trust; creation of trust; elements of trust; charitable trusts; resulting and constructive trusts; administration of trusts; liabilities to third persons; transfer of interest of cestui que trust; persons bound by a trust; termination of a trust. Scott, *Cases on Trusts*, 2d ed. Section A: Tues. and Fri., 10.10 A.M.; section B: Wed., 5.10 and 6.10 P.M.

401 *Admiralty (2)*

Alden

Federal and State jurisdiction; jurisdiction over waters, craft,

contracts, torts, crimes, in equitable matters, etc.; laws applicable to maritime workers and maritime liens. Sayre, *Cases on the Law of Admiralty*. Wed., 5.10 and 6.10 P.M.

407 *Bankruptcy* (2)

Compton

Jurisdiction of subject matter, of persons; prerequisites to adjudication: in voluntary proceedings, in involuntary proceedings; administration; discharge; the amendments since 1933. Preparation of papers in bankruptcy proceedings. Case book to be announced. (Not offered in 1938-39)

411 *Business Associations II* (2)

Compton

Promotion; corporate stock; corporate bonds, capitalization; sale of securities; syndicate underwriting; surplus and dividend policies; expansion; intercorporate relations; holding companies, failure; reorganization. Preparation of articles of incorporation. Case book to be announced. Tues., 5.10 and 6.10 P.M.

421-22 *Constitutional Law II* (2-2)

Collier

Discussion of interstate-commerce cases and cases involving the theory of constitutionally protected private rights; due process of law; contemporary problems in constitutional law. Each member of the course will be required to prepare a substantial essay dealing with a contemporary problem. Dodd, *Cases on Constitutional Law*, 2d ed., 1937. Section A: Mon. and Thurs., 10.10 A.M.; section B: Mon., 5.10 and 6.10 P.M.

426 *Government Corporations* (2)

McIntire

Organization, powers, functions, and legal relations of functional governmental units separately incorporated. Fri., 5.10 and 6.10 P.M.

Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., first term.

431-32 *International Law* (2-2)

Murdock

Decisions of national courts and international tribunals; national legislation and treaties to ascertain the nature, sources, substantive law, and judicial procedure applicable to the rights and duties of states, including a study of nationality laws. Hudson, *Cases on International Law*, 2d ed. Thurs., 5.10 and 6.10 P.M.

436 *Interstate Commerce Commission Law and Procedure* (2)

Miller

Commerce clause of the Constitution as related to regulation of carriers; regulation of interstate rail carriers by the States;

Interstate Commerce Act; the Interstate Commerce Commission; practice and procedure before the Commission; judicial review. Miller, Cases and Materials on Interstate Commerce Commission Law and Procedure. Wed., 5.10 and 6.10 P.M.

- 437 *Municipal Corporations* (2) McIntire  
Organization, powers, functions, and legal relations of local governmental units. Tooke, Cases on Municipal Corporations, 2d ed.; McIntire, Supplementary Materials. Fri., 5.10 and 6.10 P.M.

- 441-42 *Roman Law and Principles of the Civil Law* (2-2) Moll  
Historical introduction; sources and forms of the law, juristic acts; exercise and protection of rights; law of persons; law of property; law of obligations. Pound, Readings in Roman Law; mimeographed materials. Tues., 5.10 and 6.10 P.M.



## LIBRARY SCIENCE

\_\_\_\_\_, *Instructor in Library Science.*

*Minimum requirements for the major.*—See page 195.  
*Fees.*—For a statement of material fees, see page 62.

### SECOND GROUP

- +101-2 *Cataloguing* (3-3) \_\_\_\_\_  
Library of Congress rules. Tues. and Thurs., 5.10 to 7 P.M., and  
Fri., 5.10 to 6 P.M.
- 121-22 *Classification* (3-3) \_\_\_\_\_  
Dewey, Cutter, and Library of Congress systems. Mon., Wed.,  
and Fri., 6.10 P.M.
- 131-32 *History and Organization of Libraries* (2-2) \_\_\_\_\_  
Mon. and Wed., 5.10 P.M.
- 141 *Reference* (2) \_\_\_\_\_  
Prerequisite: Library Science 101-2 and 121-22, or the equivalent in library experience. Thurs., 7.30 to 9.30 P.M.
- 142 *Bibliography* (2) \_\_\_\_\_  
Prerequisite: Library Science 141, or the equivalent in library experience. Thurs., 7.30 to 9.30 P.M.
- 161 *Library Economy* (2) \_\_\_\_\_  
Ordering, accessioning, inventory, withdrawals, shelving, indexing, filing, mending, and binding. Tues. and Thurs., 9.10 A.M. (Not offered in 1938-39)
- 162 *Library Organization and Administration* (2) \_\_\_\_\_  
Tues. and Thurs., 9.10 A.M. (Not offered in 1938-39)
- 171-72 *Book Evaluation and Selection* (2-2) \_\_\_\_\_  
Mon. and Wed., 9.10 A.M. (Not offered in 1938-39)
- 185-86 *Public Documents* (2-2) \_\_\_\_\_  
Fri., 7.30 to 9.30 P.M.
- 191-92 *History of the Book* (3-3) \_\_\_\_\_  
Tues., 7.30 to 9.30 P.M.

## MATHEMATICS

James Henry Taylor, Ph.D., *Professor of Mathematics, Executive Officer.*

\*Francis Edgar Johnston, Ph.D., *Professor of Mathematics.*

Florence Marie Mears, Ph.D., *Associate Professor of Mathematics.*

William Clemmer Mitchell, Ph.D., *Instructor in Mathematics.*

*Minimum requirements for the major.*—Fifteen semester-hours of Mathematics beyond Calculus, i.e., of approved second- and third-group courses.

### FIRST GROUP

#### 7 *Solid Geometry* (2)

The Staff

Prerequisite: one year each of high-school Algebra and high-school Geometry. Tues. and Thurs., 6.10 P.M.

#### 11 *Introductory College Mathematics* (3)

The Staff

Rectangular coordinates; trigonometric functions; trigonometric identities; exponents and logarithms; solution of triangles; linear equations; determinants of the third order; quadratic equations; the factor theorem and its use in equations of higher degree; mathematical induction and the binomial theorem; permutations and combinations; the complex-number system. Prerequisite: one year each of high-school Algebra and high-school Geometry. Section A: Mon., Wed., and Fri., 9.10 A.M.; section B: Mon., Wed., and Fri., 11.10 A.M.; section C: Mon., Wed., and Fri., 5.10 P.M.; section D: Mon., Wed., and Fri., 5.10 P.M.; section E: Mon., Wed., and Fri., 6.10 P.M.

Mathematics 11x—same as Mathematics 11, but offered second semester. Section A: Tues., Thurs., and Sat., 11.10 A.M.; section B: Tues., Thurs., and Sat., 5.10 P.M.; section C: Tues. and Thurs., 6.10 to 7.25 P.M.

#### 12 *Plane Analytic Geometry* (3)

The Staff

Prerequisite: Mathematics 11, or two years of high-school Algebra, one year of high-school Geometry, and one half-year of high-school Trigonometry. Section A: Mon., Wed., and Fri., 9.10 A.M.; section B: Mon., Wed., and Fri., 11.10 A.M.; section C: Mon., Wed., and Fri., 5.10 P.M.; section D: Mon., Wed., and Fri., 5.10 P.M.; section E: Mon., Wed., and Fri., 6.10 P.M.

Mathematics 12x—same as Mathematics 12, but offered first semester. Section A: Mon., Wed., and Fri., 9.10 A.M.; section

\* On sabbatical leave 1938-39.

B: Mon., Wed., and Fri., 11.10 A.M.; section C: Mon., Wed., and Fri., 5.10 P.M.; section D: Mon., Wed., and Fri., 6.10 P.M.

Summer Sessions 1938 (3)—daily except Sat., 5.10 P.M., nine weeks' term (Mears).

- 19 *Differential Calculus* (3) The Staff  
Prerequisite: Mathematics 12. Section A: Tues., Thurs., and Sat., 9.10 A.M.; section B: Tues., Thurs., and Sat., 5.10 P.M.

Mathematics 19x—same as Mathematics 19, but offered second semester. Section A: Mon., Wed., and Fri., 9.10 A.M.; section B: Mon., Wed., and Fri., 11.10 A.M.; section C: Mon., Wed., and Fri., 5.10 P.M.; section D: Mon., Wed., and Fri., 6.10 P.M.

Summer Sessions 1938 (3)—June 20–July 19, daily except Sat., 6.10 to 8 P.M. (Mears).

- 20 *Integral Calculus* (3) The Staff  
Prerequisite: Mathematics 19. Section A: Tues., Thurs., and Sat., 9.10 A.M.; section B: Tues., Thurs., and Sat., 5.10 P.M.

Mathematics 20x—same as Mathematics 20, but offered first semester. Section A: Tues., Thurs., and Sat., 10.10 A.M.; section B: Tues., Thurs., and Sat., 5.10 P.M.

Summer Sessions 1938 (3)—July 20–August 19, daily except Sat., 6.10 to 8 P.M. (Mears).

## SECOND GROUP

- 102 *Fundamental Concepts of Mathematics* (3)  
Prerequisite: Mathematics 20. Mon., Wed., and Fri., 6.10 P.M.  
(Not offered in 1938–39)

- 104 *Teaching of Secondary-School Mathematics* (3)  
Prerequisite: Mathematics 20. (Not offered in 1938–39)

- 123x *Theory of Equations* (3)  
Prerequisite: Mathematics 20. Tues. and Thurs., 6.10 to 7.25 P.M.

- 124 *Advanced Algebra* (3)  
Prerequisite: Mathematics 20. (Not offered in 1938–39)

- 128 *Solid Analytic Geometry* (3)  
Prerequisite: Mathematics 20. (Not offered in 1938–39)

- 132 *Differential Equations* (3) Mitchell  
Prerequisite: Mathematics 20. Section A: Tues., Thurs., and Sat., 10.10 A.M.; section B: Mon., Wed., and Fri., 6.10 P.M.



- †135-36 *Projective Geometry* (2-2) Mears  
Prerequisite: Mathematics 20. Tues. and Thurs., 5.10 P.M.
- 138x *Advanced Calculus* (3)  
Prerequisite: Mathematics 20. (Not offered in 1938-39)
- 140 *Modern Analytic Geometry* (3)  
Prerequisite: Mathematics 20. (Not offered in 1938-39)
- 142 *Introduction to Infinite Series* (3)  
Prerequisite: Mathematics 20. (Not offered in 1938-39)
- 167 *Fourier Series and Spherical Harmonics* (3) Mitchell  
Prerequisite: Mathematics 132. Tues. and Thurs., 6.10 to 7.25 P.M.
- 171 *Vector Analysis* (3) Taylor  
Prerequisite: Mathematics 20. Mon., Wed., and Fri., 6.10 P.M.

## THIRD GROUP

- 220 *Theory of Numbers* (3)  
(Not offered in 1938-39)
- 249 *Ordinary Differential Equations* (3) Taylor  
Mon., Wed., and Fri., 5.10 P.M.
- 250 *Integral Equations* (3)  
(Not offered in 1938-39)
- †251-52 *Theory of Functions of a Real Variable* (3-3)  
(Not offered in 1938-39)
- †253-54 *Theory of Functions of a Complex Variable* (3-3)  
(Not offered in 1938-39)
- †255-56 *Differential Geometry* (2-2)  
(Not offered in 1938-39)
- †257-58 *Theory of Finite Groups* (2-2)  
(Not offered in 1938-39)
- †265-66 *Modern Algebra* (3-3)  
Mon., Wed., and Fri., 6.10 P.M.
- †267-68 *Calculus of Variations* (2-2)  
(Not offered in 1938-39)
- 270 *Tensor Analysis* (3)  
Prerequisite: Mathematics 171. (Not offered in 1938-39)

271 *Riemannian Geometry* (3)  
Prerequisite: Mathematics 255-56 and 270. (Not offered in  
1938-39)

275 *Theory of the Potential* (3)  
(Not offered in 1938-39)

277x *Partial Differential Equations* (3) Taylor  
Mon., Wed., and Fri., 5.10 P.M.

297-98 *Reading and Research* (3-3) The Staff  
Hours to be arranged.

## MECHANICAL ENGINEERING

Arthur Frederick Johnson, M.E., *Professor of Mechanical Engineering, Executive Officer.*

Benjamin Carpenter Cruickshanks, B.S. in M.E., *Associate Professor of Mechanical Engineering.*

Howard Henry Koster, M.S. in M.E., *Assistant Professor of Mechanical Engineering.*

*Minimum requirements for the major.—See pages 156-57.*  
*Fees.—For a statement of fees, see page 62.*

### FIRST GROUP

- 3 *Mechanical Drawing* (2) Koster  
 Section A (for students without previous drafting experience):  
 Tues. and Thurs., 1.40 to 4.30 P.M.; section B: Mon. and Fri.,  
 7.30 to 10.30 P.M.
- 3x *Mechanical Drawing* (2) Koster  
 For students who have had previous drafting work. Mon. and  
 Wed., 1.40 to 4.30 P.M.
- 4 *Descriptive Geometry* (2) Johnson, Koster  
 Prerequisite: Solid Geometry. Section A: Tues. and Fri., 1.40  
 to 4.30 P.M.; section B: Mon. and Fri., 7.30 to 10.30 P.M.
- 4x *Descriptive Geometry* (2) Johnson, Koster  
 For students with drafting experience. Wed. and Fri., 1.40 to  
 4.30 P.M.
- 7-8 *Machine Drawing* (2-2) Johnson  
 Prerequisite: Mechanical Engineering 4. Prerequisite or con-  
 current registration: Mechanical Engineering 13-14. Section  
 A: Mon. and Fri., 1.40 to 4.30 P.M.; section B: Mon. and  
 Fri., 7.30 to 10.30 P.M.
- 13-14 *Mechanism* (2-2) Johnson  
 Prerequisite: Mathematics 12. Prerequisite or concurrent reg-  
 istration: Mathematics 19 and 20. Section A: Tues. and  
 Thurs., 12.10 P.M.; section B: Tues. and Thurs., 5.10 P.M.

### SECOND GROUP

- 111-12 *Thermodynamics* (3-3) Cruickshanks  
 Prerequisite or concurrent registration: Mathematics 20. Sec-



tion A: Mon., Wed., and Fri., 9.10 A.M.; section B: Mon., Wed., and Fri., 6.10 P.M.

- 115-16 *Mechanical Laboratory* (2-2) Cruickshanks  
Calibration of instruments; calorimetry; testing of prime movers, auxiliaries, and combustion engines. Eight-hour boiler test required. Prerequisite: Mechanical Engineering 13-14 and 111-12. *First semester.* Section A: Mon. and Fri., 1.40 P.M.; section B: Mon. and Fri., 7.30 P.M. *Second semester.* Mon. and Fri., 7.30 P.M.
- 126 *Methods of Manufacture* (2) Koster  
Fixtures, gauging, tools, costs. Prerequisite: Mechanical Engineering 8 and 14; Civil Engineering 25. Tues. and Thurs., 6.10 P.M.
- 127-28 *Machine Design* (2-2) Johnson  
With stress-analysis lectures. Prerequisite: Mechanical Engineering 112 and 126; Civil Engineering 25, 41, 132, and 134. Section A: Wed. and Fri., 1.40 to 4.30 P.M.; section B: Mon. and Fri., 7.30 to 10.30 P.M.
- 129-30 *Power Plants* (3-3) Cruickshanks  
Design, layout, installation, and operation of power plants and equipment. Prerequisite: Mechanical Engineering 112. Mon., Wed., and Fri., 5.10 P.M.
- 131 *Heating and Ventilating* (2) Koster  
Prerequisite: Mechanical Engineering 112. Tues. and Thurs., 5.10 P.M.
- 133 *Combustion Engines* (2) Koster  
Prerequisite: Mechanical Engineering 112; Civil Engineering 132 and 134; Electrical Engineering 10. Section A: Tues. and Thurs., 11.10 A.M.; section B: Tues. and Thurs., 6.10 P.M.
- 138 *Refrigeration* (2) Koster  
Prerequisite: Mechanical Engineering 111. Tues. and Thurs., 5.10 P.M.
- 139 *Fluid Dynamics* (3) Johnson  
The theories of hydro- and aero-mechanics as influenced by density, viscosity, and turbulence. Prerequisite: Mechanical Engineering 112; Civil Engineering 14. Mon., Wed., and Fri., 6.10 P.M.

140 *Dynamics of Machinery* (3)

Johnson

Inertia effects, balancing, vibration phenomena. Prerequisite:  
Mechanical Engineering 115; Civil Engineering 132 and 134.  
Mon., Wed., and Fri., 6.10 P.M.

## MEDICINE

Walter Andrew Bloedorn, A.M., M.D., *Professor of Medicine, Executive Officer.*

William Johnston Mallory, A.M., M.D., *Professor of Medicine.*

Coursen Baxter Conklin, A.M., M.D., *Clinical Professor of Medicine.*

Frank Adelbert Hornaday, M.S., M.D., *Assistant Professor of Medicine.*

Charles Robert Lee Halley, A.B., M.D., *Associate in Medicine.*

John Alton Reed, A.B., M.D., *Associate in Medicine.*

Watson William Eldridge, M.D., *Associate in Medicine.*

Herman Solomon Hoffman, A.B., M.D., *Associate in Medicine.*

John Minor, A.B., M.D., *Associate in Medicine.*

Maurice Protas, A.B., M.D., *Associate in Medicine.*

Paul Frederick Dickens, B.S., M.D., *Associate in Medicine.*

Bernard Lauriston Hardin, Jr., A.B., M.D., *Clinical Instructor in Medicine.*

Nicholas Athanasiou Mandelos, M.D., *Clinical Instructor in Medicine.*

Leo T. Brown, M.D., *Clinical Instructor in Medicine.*

A. Fife Heath, M.D., *Clinical Instructor in Medicine.*

Harry Filmore Dowling, A.B., M.D., *Clinical Instructor in Medicine.*

George Louis Weller, Jr., A.B., M.D., *Clinical Instructor in Medicine.*

Walter Kendall Myers, B.S., M.D., *Clinical Instructor in Medicine.*

Elmer Wink Fugitt, M.D., *Clinical Instructor in Medicine.*

Theodore Judson Abernethy, B.S., M.D., *Clinical Instructor in Medicine.*

Austin Brockenbrough Chinn, M.D., *Clinical Instructor in Medicine.*

Joseph Francis Elward, Ph.D., M.D., *Clinical Instructor in Radiology.*

Clayton Bernard Ethridge, M.D., *Clinical Instructor in Medicine.*

Alfred Pembroke Thom, A.B., M.D., *Clinical Instructor in Medicine.*

Richard Bernard Castell, A.B., M.D., *Clinical Instructor in Medicine.*

George Paul Lemeschewsky, A.B., M.D., *Clinical Instructor in Medicine.*

- 122 *Introductory Medical Clinics (elective)* Bloedorn and Staff  
This course is given as part of a course on introductory medical and surgical clinics. Two hours a week.

- 124 *History of Medicine (elective)* Halley  
One hour a week.



- 262 *Introduction to Physical Diagnosis* Conklin  
Two hours a week.
- 315-16 *Dispensary Clinics* The Staff  
Well-organized group clinical instruction is given in the dispensaries of the University and Emergency Hospitals. The student is assigned cases to be thoroughly studied, and at the conclusion of this study each case is reviewed in its entirety for him. Daily.
- 317-18 *General Medicine* Bloedorn, Mallory, Halley  
A systematic course of lectures designed to cover general aspects of medical disease in all its phases, including therapeutics. Three hours a week.
- 319 *Medical Jurisprudence* Eldridge  
Lectures on the rights and obligations of physicians, both legal and ethical, and on the legal problems with which the physician is brought into contact. One hour a week for eleven weeks.
- 322 *Physiotherapy (elective)* Eldridge  
This course is a series of lectures and demonstrations of the fundamentals of physical treatment and their application to general medical diseases. One hour a week for five weeks.
- 324 *Radiology and Radiotherapy (elective)* Elward  
One hour a week.
- 325-26 *Physical Diagnosis* Conklin and Staff  
This course, which is designed to cover the entire subject of physical diagnosis, consists of section demonstrations and practice on the normal and abnormal subject. Four hours a week.
- 347-48 *Clinical Physiology* Dickens  
This course of lectures and clinics is designed to promote the continuity of the preclinical and laboratory study of physiology and its application to altered function as seen in the clinic; to link the laboratory to the clinic; and to teach the student to interpret the signs and symptoms of disease in terms of altered function. One hour a week.
- 407-8 *Ward Walks* The Staff  
Sections assigned to the University and Emergency Hospitals are taken for ward walks by the visiting physicians and their respective staffs in the course of their usual rounds. The student has an excellent opportunity to observe the actual management of patients. Two sections, one hour three times a week.

409-10 *Clinics*

Bloedorn and Staff

In these clinics the usual as well as the more rare diseases are taken up and discussed from the point of view of etiology, diagnosis, and treatment, with special emphasis upon differential diagnosis and the demonstration of clinical abnormalities as found in the various morbid processes. Gallinger Hospital, four sections, one and one-half hours three times a week.

411 12 *Clinical Clerkship*

Halley, Dowling, and Staff

The student is assigned a case which he is required to work up thoroughly, and, inasmuch as the student's histories are generally accepted for hospital records, he is under strict supervision. Gallinger Hospital, four sections, two and one-half hours three times a week; Emergency Hospital, two sections, two hours three times a week; University Hospital, two sections, two hours three times a week; St. Elizabeths Hospital, one fourth of the class, two hours a week.

413 *Clinical Pathological Conference (elective)* Bloedorn, Choisser

This course is designed to acquaint the students with the proper correlation of the clinical and post-mortem findings. Cases are described in detail from a clinical point of view, and the post-mortem findings are then thoroughly demonstrated, both grossly and with lantern slides. One hour a week.

## MILITARY SCIENCE AND TACTICS

Eugene W. Billick, M.D., Major, Medical Corps, United States Army,  
*Professor of Military Science and Tactics.*

171-72 *Basic Medical Course*

Billick

The National Defense Act of the United States; the mission of the R. O. T. C.; military obligations of citizenship; organization of the Army of the United States; organization of the Medical Department of the Army; military courtesies and customs of the Army; leadership; military sanitation and first aid; map reading; supply and mess management. One hour a week.

271-72 *Combat Training*

Billick

Tactics and technique of the separate arms; combat orders and solution of medical problems; service with medical detachments; organization and employment of the Medical Service; map-reading problems. One hour a week.

371-72 *Advanced Medical Course*

Billick

Military preventive medicine (physical examinations; relation of food and water to disease; prevention and control of communicable disease); general administration as applied to the Army; Medical Department administration; defense against chemical warfare; medical aspects of chemical warfare; aerial photo reading. One hour a week.



## NEUROLOGY

Walter Freeman, Ph.D., M.D., *Professor of Neurology, Executive Officer.*

James Winston Watts, M.D., *Associate Professor of Neurosurgery.*

Hyman David Shapiro, M.D., *Associate in Neurology.*

Alexander Simon, A.B., M.D., *Clinical Instructor in Neurology.*

265 *Neurology (elective)* Freeman

Methods of study of the nervous system. Approach to an understanding of the function of the brain through gross and microscopic preparations, embryology, comparative anatomy, stimulation and extirpation, human pathology, etc. Laboratory demonstrations. One hour a week.

357 *Neurology* Shapiro

Systematic lectures with lantern slides illustrating the chief neurologic syndromes and their anatomic bases. One hour a week for sixteen weeks.

359-60 *Neurology (elective)* Freeman and Staff

Neurological out-patient clinic. Consultation of Staff on ambulatory cases, demonstration of diagnostic procedures, disposition of neuro-psychiatric cases. One hour a week.

445 *Neurosurgery (elective)* Watts

Lectures and clinical demonstrations in surgery of the brain, spinal cord, and peripheral nerves. Emphasis is laid upon fundamentals and upon the possibilities of surgery in the relief of symptoms. One hour a week for sixteen weeks.

447-48 *Clinical Neurology* Freeman

Lectures and demonstrations of patients illustrating the diagnosis and treatment of nervous disorders. The vast material of St. Elizabeths Hospital is drawn upon not only for the commoner disorders, but also for some of the unusual syndromes. One hour a week.

449-50 *Neurologic Examinations* Freeman and Staff

Practical instruction in the examination of patients presenting nervous diseases. Each student is required to perform a detailed examination on six patients. St. Elizabeths Hospital, one fourth of the class, two hours a week.

## OBSTETRICS AND GYNECOLOGY

- Howard Francis Kane, A.B., M.D., *Professor of Obstetrics and Gynecology, Executive Officer.*
- Radford Brown, M.D., *Professor of Obstetrics and Gynecology.*
- Elijah White Titus, Phar.D., M.D., *Clinical Professor of Obstetrics and Gynecology.*
- Jacob Kotz, M.D., *Clinical Professor of Obstetrics and Gynecology.*
- Henry Lauran Darner, A.B., M.D., *Clinical Professor of Obstetrics and Gynecology.*
- Herbert Percy Ramsey, A.B., M.D., *Assistant Professor of Obstetrics and Gynecology.*
- William Preston Haynes, A.B., M.D., *Associate in Obstetrics and Gynecology.*
- George Nordlinger, A.B., M.D., *Associate in Obstetrics and Gynecology.*
- William Raymond Thomas, M.D., *Associate in Obstetrics and Gynecology.*
- Joseph Harris, A.B., M.D., *Associate in Obstetrics and Gynecology.*
- Laurence Lee Cockerille, M.D., *Associate in Obstetrics and Gynecology.*
- Clayton Howard Hixson, M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Henry John Russell McNitt, B.S., M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Bernard Notes, M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Helen Gladys Kain, B.S., M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Esther Alsylvia Nathanson, A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Samuel Mayer Dodek, A.M., M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Katherine Elizabeth Parker, A.M., M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Walter Willard Boyd, E.E., M.S., M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Harry Samuel Douglas, A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology.*

Howard Pope Parker, M.D., *Clinical Instructor in Obstetrics and Gynecology.*

Roger O'Donnell, Jr., M.D., *Clinical Instructor in Obstetrics and Gynecology.*

- 361 *Pregnancy, Normal and Abnormal* Kane, Silvester, Dodek  
Lectures and recitations on the physiology and management of pregnancy and its complications. Two hours a week.
- 362 *Labor, Normal and Abnormal* Kane  
Lectures, recitations, and demonstrations on the mechanism and course of labor and its complications. Three hours a week.
- 363 *Principles and Practice of Gynecology* Brown  
Lectures and recitations on gynecology, medical and surgical. One hour a week.
- 364 *Gynecological Pathology (elective)* Brown  
Lectures on the essentials of gynecological pathology, and demonstrations and study of gross and microscopic material discussed in the lectures. One hour a week for ten weeks.
- 366 *Female Endocrinology* Kotz  
Lectures on the physiology and pathology of the endocrine system in women. One hour a week for six weeks.
- 368 *Operative Gynecology* Darner  
Lectures on the principles of gynecological surgery. One hour a week for six weeks.
- 455-56 *Manikin Demonstrations* Harris  
The mechanism of labor and various types of operative delivery demonstrated to sections of the class throughout the year.
- 457-58 *Clinical Obstetrics* The Staff  
Observation of, and participation in, the work of the pre- and post-natal clinics, on the wards, and in the delivery rooms of the University, Gallinger, Columbia, and Garfield Hospitals.
- 459-60 *Clinical Gynecology* The Staff  
Observation of, and participation in, the work at the out-patient clinics, on the wards, and in the operating rooms of the University, Gallinger, Columbia, and Garfield Hospitals.



## OPHTHALMOLOGY

William Thornwall Davis, M.D., *Professor of Ophthalmology, Executive Officer.*

Ernest Alired Watson Sheppard, M.D.C.M., *Associate Professor of Ophthalmology.*

George Victor Simpson, M.D., *Assistant Professor of Ophthalmology.*

Edgar Leonard Goodman, M.D., M.M.S., *Clinical Instructor in Ophthalmology.*

Ronald Atmore Cox, A.B., M.D., *Clinical Instructor in Ophthalmology.*

### 396 *Ophthalmology*

Davis and Staff

A lecture course presenting the principles of ophthalmology, with special reference to topics of importance to the general practitioner. Two hours a week for ten weeks.

### 463-64 *Clinic*

Davis and Staff

Intensive training in diseases of the eye; etiology, diagnosis, and treatment in their application to clinical cases. Episcopal Hospital, three hours twice a week.

## OTO-RHINO-LARYNGOLOGY

William Beverley Mason, M.D., *Professor of Oto-rhino-laryngology, Executive Officer.*

Daniel Bruce Moffett, A.B., M.D., *Associate Professor of Oto-rhino-laryngology.*

William Herndon Jenkins, M.D., *Clinical Professor of Oto-rhino-laryngology.*

Leroy Lee Sawyer, Jr., A.B., M.D., *Assistant Professor of Oto-rhino-laryngology.*

David Davis, A.B., M.D., *Associate in Oto-rhino-laryngology.*

Don R. Johnson, LL.B., M.D., *Associate in Oto-rhino-laryngology.*

Aubrey David Fischer, M.D., *Clinical Instructor in Oto-rhino-laryngology.*

Jeter Carroll Bradley, M.D., *Clinical Instructor in Oto-rhino-laryngology.*

Lyman Brooke Tibbets, Phar.D., M.D., *Clinical Instructor in Oto-rhino-laryngology.*

Joel Norton Novick, M.D., M.S.C., *Clinical Instructor in Oto-rhino-laryngology.*

### 377-78 *Dispensary Clinic* Mason and Staff

Practical clinical instruction in the diagnosis and treatment of diseases of the ear, nose, and throat. Emergency Hospital, one section daily.

### 466 *Oto-rhino-laryngology* Jenkins

Clinical lectures and demonstration of diseases of the ear, nose, and throat; bronchoscopy and esophagoscopy. One hour a week.

### 467 *Oto-rhino-laryngology* Moffett

Lectures on the anatomy, physiology, and diseases of the ear, nose, and throat. One hour a week.

### 468 *Bronchoscopy* Davis

A series of lectures on the fundamental principles and the use of instruments, including both the bronchoscope and esophagoscope. One hour a week for ten weeks.

### 469-70 *Clinic* Mason and Staff

Practical clinical instruction in the diagnosis and treatment of diseases of the ear, nose, and throat. Episcopal Hospital, one section, one and one-half hours twice a week; Gallinger Hospital, one section, one and one-half hours a week.

## PATHOLOGY

Roger Morrison Choisser, B.S., M.D., *Professor of Pathology, Executive Officer.*

Elizabeth Mapelsden Ramsey, A.B., M.D., *Associate in Pathology.*

Robert James Jermstad, A.B., B.S., M.D., *Instructor in Pathology.*

Luther Henry Snyder, A.B., M.D., *Instructor in Pathology.*

### 218 Pathology

Choisser, Jermstad, Snyder

A course covering inflammation, repair, degenerations, the effects of bacteria and animal parasites on the body, the effects of chemical and physical agents, the formation of new growths, etc., followed by special pathology of the organs and specific diseases. The laboratory work consists primarily of the gross and microscopic study of diseased tissues, including neoplasms. Necropsies performed by members of the Staff are held regularly at the University and Gallinger Hospitals; the clinicians and pathologists participate in the discussions and elucidation of the findings.

### 307 Autopsy (elective)

The Staff

Small groups of students are called from time to time to assist members of the Staff in the performance of necropsies held at the University and Gallinger Hospitals. Pathological conferences are held once a week, at which time fresh gross specimens and microscopic sections from each autopsy are presented and discussed by both students and members of the Staff. Students are assigned in rotation to review current literature relating to cases presented.

### 403-4 Clinical Pathological Conferences (elective)

Choisser

Case histories are presented and discussed by members of the hospital Staff. Autopsy and clinical findings are compared, and specimens are demonstrated and examined by all present. One hour a week.

### 405 Research

Choisser

Hours and credits to be arranged.



## PEDIATRICS

Harry Hampton Donnally, A.M., M.D., *Professor of Pediatrics, Executive Officer.*

Preston Alexander McLendon, B.S., M.D., *Assistant Professor of Pediatrics.*

Charles Aurelius Schutz, A.B., M.D., *Assistant Professor of Pediatrics*

Edward Lewis, M.D., *Assistant Professor of Pediatrics.*

Margaret Mary Nicholson, A.B., M.D., *Associate in Pediatrics.*

Elizabeth Emery Chickering, A.B., M.D., *Associate in Pediatrics.*

Aaron Nimetz, A.B., M.D., *Clinical Instructor in Pediatrics.*

James Alfred Rolls, A.B., M.D., *Clinical Instructor in Pediatrics.*

William Staton Anderson, A.B., M.D., *Clinical Instructor in Pediatrics.*

Mabel Harlakenden Grosvenor, A.B., M.D., *Clinical Instructor in Pediatrics.*

### 337-38 *Pediatrics*

Schutz

A course of lectures on diseases and malformations of the newly born. Growth (mental and physical), metabolism, nutrition, nutritional diseases, therapeutics, habits, preventive pediatrics, and social aspects are considered. One hour a week in the first semester and for eight weeks in the second.

### 341-42 *Child-Welfare and Preventive Clinic*

Schutz

Clinical course in the infant and the preschool child. Children's Hospital, Child Welfare Center, one section, one hour a week.

### 343-44 *Dispensary Clinic*

Lewis, Nicholson, Chickering,  
Nimetz, Anderson, Grosvenor

Clinical course in the out-patient department, including minor to serious disorders of children. This course will deal with the problems. Children's Hospital, one section, one and one-half hours three times a week.

### 427-28 *Clinic*

Donnally

Teaching clinic. Children's Hospital, entire class, one and one-fourth hours a week.

### 429-30 *Clinical Clerkship*

Donnally, McLendon, Nicholson,  
Nimetz, Chickering, Anderson, Grosvenor

Ward walks, physical diagnosis in children, special pediatric

procedures, bedside instruction in contagious diseases, individual isolation, clinical laboratory and necropsy instruction, diagnosis and treatment of urgent cases. Children's Hospital, one fourth of the class, three hours three times a week.

- 431-32 *Contagious-Disease Clinic* Grosvenor  
Bedside instruction in scarlet fever. Gallinger Hospital, one fourth of the class, one hour a week.

- 433-34 *Contagious-Disease Clinic* Rolls  
Bedside instruction in diphtheria. Gallinger Hospital, one fourth of the class, one hour a week.

- 435 *Clinic* Chickering  
Clinical instruction in the care of the newly born, congenital malformations, birth injuries, and prematurity. Gallinger Hospital, one fourth of the class, one hour a week.

- 437-38 *Allergy Clinic (elective)* Donnelly  
Prerequisite: Bacteriology 209. Practical work in the Allergy Clinic of Children's Hospital may be obtained by a small group of students selected, on the basis of scholarship and special fitness, from among seniors who apply. Two afternoons a week.

## PHARMACOLOGY AND THERAPEUTICS

George Byron Roth, A.B., M.D., *Professor of Pharmacology, Executive Officer.*

\_\_\_\_\_, *Assistant Professor of Pharmacology.*

Phoebe Jeannette Crittenden, Ph.D., *Instructor in Pharmacology.*

- 230 *Pharmacology* Roth and Staff  
This course consists of laboratory instruction covering both the chemical nature and the biological effects of drugs. Five hours a week.
- 231 *Fundamentals of Pharmacology (elective)* Roth  
One hour a week.
- 232 *Pharmacology* Roth  
A didactic course, supplemented by demonstration, which correlates the most prominent facts relating to the more important therapeutic agents, special consideration being given to the drugs found in the *United States Pharmacopoeia* and *New and Nonofficial Remedies*. Three hours a week.
- 234 *Pharmacology Conference (elective)* Roth and Staff  
One hour a week.
- 236 *Prescription Writing* Roth  
Sixteen one-hour conferences on the form of the prescription, with practical exercises.
- 311-12 *Therapeutics* The Staff  
Lectures, conferences, and demonstrations on the clinical uses of drugs. One hour a week in the first semester and for twelve weeks in the second.
- 313 *Therapeutics Seminar (elective)* Roth  
One hour a week.
- 314 *Research* Roth and Staff  
Hours and credits to be arranged.



## PHARMACY

- William Paul Briggs, M.S., *Professor of Pharmacy, Executive Officer.*  
 James J. Durrett, M.D., *Professorial Lecturer on Drug Control.*  
 Evander Frank Kelly, M.D., *Professorial Lecturer on Pharmaceutical Organizations.*  
 Carson Peter Frailey, Ph.D., *Professorial Lecturer on Industrial Pharmacy.*  
 Charles Owens Wilson, Ph.D., *Assistant Professor of Pharmaceutical Chemistry.*  
 Lea Gene Gramling, M.S., Ph.D., *Assistant Professor of Pharmacology and Pharmacognosy.*  
 Asa Vernon Burdine, *Lecturer on Pharmaceutical Economics.*

*Minimum requirements for the degree.*—See pages 162-64.

*Fees.*—For a statement of laboratory fees and deposits, see page 63.

### FIRST GROUP

- 1-2 *Principles of Pharmacy (2-2)* Wilson  
 Pharmaceutical mathematics and fundamental laboratory technique. Mon., 9.10 A.M. Laboratory—Tues., 1.40 to 3.30 P.M.
- 21-22 *Operative Pharmacy (5-5)* Briggs  
 The theory and manufacture of pharmacopoeial and formulary preparations. Mon., Wed., and Fri., 11.10 A.M. Laboratory—Mon. and Wed., 1.40 to 4.30 P.M.
- 23-24 *Pharmacognosy (3-3)* Gramling  
 Prerequisite: Botany 2. *First semester.* Tues. and Thurs., 11.10 A.M. Laboratory—Wed., 1.40 to 4.30 P.M. *Second semester.* Tues. and Thurs., 9.10 A.M. Laboratory—Wed., 1.40 to 4.30 P.M.

### SECOND GROUP

- 101-2 *Dispensing Pharmacy (4-4)* Briggs  
 Compounding of typical prescriptions and a study of incompatibilities. Prerequisite: Pharmacy 2 and 22. Mon. and Wed., 10.10 A.M. Laboratory—Tues. and Thurs., 1.40 to 4.30 P.M.
- 105-6 *Therapeutics (2-2)* Gramling  
 Uses of official and new nonofficial drugs. Mon. and Wed., 11.10 A.M.

- 107 *History of Pharmacy* (1) Briggs  
Fri., 10.10 A.M.
- 110 *Inorganic Pharmaceutical Chemistry* (3) Wilson  
Preparation and qualitative testing. Prerequisite: Chemistry 21. Wed. and Fri., 9.10 A.M. Laboratory—Fri., 1.40 to 4.30 P.M.
- 151-52 *Advanced Pharmacognosy* (2-2) Gramling  
Prerequisite: Pharmacy 24. Thurs., 9.10 A.M. Laboratory—Fri., 9.10 A.M. to 12 M. (Not offered in 1938-39)
- 163 *Organic Pharmaceutical Chemistry* (3) Wilson  
Preparation and qualitative testing. Prerequisite: Chemistry 42. Tues. and Thurs., 9.10 A.M. Laboratory—Tues., 1.40 to 4.30 P.M.
- 165-66 *Pharmacology* (3-3) Gramling  
Prerequisite: Pharmacy 24 and 106; Physiology 115. *First semester.* Tues., Thurs., and Fri., 10.10 A.M. *Second semester.* Tues. and Thurs., 10.10 A.M. Laboratory—Fri., 1.40 to 4.30 P.M.
- 171-72 *Dispensing Pharmacy* (2-2) Briggs  
The equipment and management of professional pharmacies and advanced dispensing. Prerequisite: Pharmacy 102. *First semester.* Fri., 9.10 A.M. Laboratory—Thurs., 1.40 to 4.30 P.M. *Second semester.* Thurs., 9.10 A.M. Laboratory—Thurs., 1.40 to 4.30 P.M.
- 173 *Food Analysis* (4) Wilson  
Quantitative analysis of foods. Prerequisite: Chemistry 42 and 121. Tues. and Thurs., 11.10 A.M. Laboratory—Mon. and Wed., 1.40 to 4.30 P.M.
- 174 *Quantitative Pharmaceutical Chemistry* (4) Wilson  
Chemical and drug analysis. Prerequisite: Pharmacy 22; Chemistry 42 and 121. Tues. and Thurs., 11.10 A.M. Laboratory—Mon. and Fri., 1.40 to 4.30 P.M.
- 178 *Pharmaceutical Economics and Jurisprudence* (3) Briggs, Burdine  
Fri., 9.10 A.M. to 12 M.
- 183-84 *Advanced Pharmacology* (2-2) Gramling  
Prerequisite: Pharmacy 166. Tues., 11.10 A.M. Laboratory—Fri., 1.40 to 4.30 P.M. (Not offered in 1938-39)
- 190 *Survey of Pharmaceutical Literature* (2) Briggs  
(Not offered in 1938-39)

## PHILOSOPHY

Christopher Browne Garnett, Jr., Ph.D., *Associate Professor of Philosophy, Executive Officer.*

*The major.*—The major in Philosophy is administered under the new plan, which includes oral examinations on assigned topics in Philosophy and a written comprehensive examination in Philosophy in the last year. For further details, see the pamphlet on this subject or consult the adviser.

### SECOND GROUP

- 103 *Principles of Philosophy* (3) Garnett  
A survey of the problems and theories of philosophy. Mon., Wed., and Fri., 9.10 A.M.  
Summer Sessions 1938 (2)—daily except Sat., 8.30 A.M., six weeks' term.
- 111-12 *History of Philosophy* (3-3) Garnett  
A historical survey of the large periods and the main philosophers in the Orient and the Western world. Section A: Tues., Thurs., and Sat., 9.10 A.M.; section B: Mon., Wed., and Fri., 6.10 P.M.
- 122 *Logic* (3) Ruediger, Garnett  
A critical study of deductive logic, induction, and the application of the principles of reflective thought in the natural and social sciences. Section A: Tues., Thurs., and Sat., 11.10 A.M.; section B: Mon., Wed., and Fri., 5.10 P.M.
- 132 *Ethics* (3) Garnett  
A survey and critical appraisal of the various theories of goodness in personal and social life. Mon., Wed., and Fri., 9.10 A.M.  
Summer Sessions 1938 (3)—daily except Sat., 6.10 P.M., nine weeks' term.
- 141 *Contemporary American Philosophy* (3) Garnett  
A comparative study of the general philosophies of Dewey, Perry, Pratt, Stace, Whitehead, Santayana, and Fite. Mon., Wed., and Fri., 5.10 P.M. (Offered in 1938-39 and alternate years)
- 151 *Problems in the Philosophy of the Sixteenth and Seventeenth Centuries* (3)  
A comparative study of the general philosophies of Bruno.



Bacon, Descartes, Malebranche, Spinoza, Leibniz, and Newton.  
(Offered in 1939-40 and alternate years)

155-56 *Philosophical Movements in the Eighteenth Century* (3-3) Garnett

A study of the general culture of the Enlightenment with special emphasis upon science, art, literature, religion, and politics. Ability to read French and German is desirable. (Not offered in 1938-39)

199-200 *Proseminar: Readings for the Major* (3-3) Garnett  
Hours to be arranged.

THIRD GROUP

221-22 *Research* (3-3) Garnett  
Special problems in the philosophy of the Eighteenth Century.  
Hours to be arranged.

## PHYSICAL EDUCATION FOR MEN

\*James Ebenezer Pixlee, B.S., *Professor of Physical Education for Men.*  
 Claud Max Farrington, A.M., *Associate Professor of Physical Education for Men, Executive Officer.*

William Henry Myers, A.B., *Assistant Professor of Physical Education for Men.*

Bernath Eugene Phillips, A.M., *Instructor in Physical Education for Men.*

This Department includes all the recognized athletic activities of the men students of the University.

A minimum of four semester-hours of Physical Education is required for graduation and is compulsory for all freshman and sophomore men except for those exempt under the regulations stated on pages 77-78.

Upon entering the University, all freshmen or other undergraduate students who have not fulfilled the Physical Education requirement are given a medical examination. Assignments for medical examination will be given at the time of registration. The students who satisfy the requirements of this examination are immediately given a physical-efficiency test of general bodily skills. All other students are assigned activities according to their individual needs. If the physical-efficiency test is passed satisfactorily, the student may elect his activity from the following lists:

<i>Group A</i>	<i>Group B</i>
Badminton	Baseball
Golf	Basketball
Handball	Football
Playground Baseball	Gymnastics
Swimming	Soccer
Tennis	Speedball
Volleyball	Track and Field
	Tumbling

Two semesters of activity must be from Group A and two semesters of activity from Group B unless a substitution is approved by the Department. If the physical-efficiency test is not passed, the student is assigned to individual exercise.

The Department furnishes gymnasium uniforms and personal equipment upon a small payment.

*Minimum requirements for the major, Dual-Major Teacher's Course.*—Prerequisite: Physical Education 47 and 49. Required: twenty semester-hours of courses in Physical Education, including 101, 102, and 105 or 106, in addition to four semester-hours of activity Physical Education.

*Minimum requirements for the major, Single-Major Teacher's Course.*—Prerequisite: Physical Education 47, 48, 49, and 50. Required: twenty-one semester-hours of courses in Physical Education, including 101, 102, and 105 or 106, in addition to four semester-hours of activity Physical Education.

\* On sabbatical leave first semester 1938-39.

*Minimum requirements for the minor.*—Prerequisite: Physical Education 47 and 49. Required: twelve semester-hours of second- or third-group courses in Physical Education, including 121, 122, and 125 or 126, and four semester-hours of activity Physical Education. These requirements satisfy both Physical Education curricula.

*Fees.*—For a statement of towel fees, see page 63.

#### FIRST GROUP

##### 1-2 *Freshman Physical Education (1-1)* The Staff

One lecture on personal hygiene and two periods of activity a week. Assignment for activities and hours to be arranged with the Department of Physical Education.

Summer Sessions 1938 (1-1)—hours to be arranged; second term begins August 1.

##### 9-10 *Sophomore Physical Education (1-1)* The Staff

Two periods of activity a week. Assignment for activities and hours to be arranged with the Department of Physical Education.

Summer Sessions 1938 (1-1)—hours to be arranged; second term begins August 1.

##### 43 *Theory and Practice of Basketball and Soccer (2)* —————

A critical survey of the fundamental skills, rules, organization, appreciations, and attitudes in these activities. Fri., 8.10 to 10 A.M.

##### 44 *Theory and Practice of Playground Baseball, Boxing, and*

Farrington

Fri., 8.10 to 10 A.M.

##### 45 *Theory and Practice of Touch Football and Indoor Program (2)* Phillips

Fri., 11.10 to 1 P.M.

##### 46 *Theory and Practice of Track, Swimming, and Lifesaving (2)*

Farrington

Section A: Mon. and Wed., 10.10 A.M.; section B: Tues. and Thurs., 10.10 A.M.

##### 47 *Introduction to Physical Education (2)* Myers

An orientation course presenting in elementary form the problems of physical education, vocational analysis, historical implication, scientific foundations, and scope of field. Tues. and Thurs., 8.10 A.M.

##### 48 *Fundamentals and Nature of Play (2)* Phillips

Critical study of the theory of play; study of the play activities of childhood and youth; types of recreation; playground activities. Tues. and Thurs., 8.10 A.M.



- 49 *Introduction to Methods in Physical Education* (2) Phillips  
Essential facts of education, psychology, and sociology, with special reference to the problem of method in physical education. Prerequisite: Psychology 1 and 22; Sociology 27 and 28. Tues. and Thurs., 1.40 P.M.
- 50 *Beginning Anatomy and History of Hygiene* (3) Myers  
Relationship of anatomy to physical education; fundamentals of health; elementary physiological functioning of the body; evolution of hygiene from the primitive through the medieval to the modern period. Prerequisite: Zoology 1-2. Mon., Wed., and Fri., 1.40 P.M.
- 55-56 *Orientation in Physical Education and Methods in High-School Athletic Coaching* (2-2) Myers  
Summer Sessions 1938—daily except Sat., 9.40 A.M.; second term begins August 1.
- 58 *First Aid and Care of Athletic Injuries* (2) The Staff  
Prevention and emergency care of injuries of all types, with special reference to first aid, bandaging, and massage. A practical course for the advanced student. Prerequisite: Physical Education 50; Zoology 1-2. Tues. and Thurs., 1.40 P.M.

## SECOND GROUP

- 101 *Principles of Physical Education* (2) Phillips  
The interpretation of objectives of physical-education activities under leadership, in terms of development, adjustment, and standards. Prerequisite: Physical Education 47. Mon. and Wed., 9.10 A.M.
- 102 *Administration and Organization of Physical Education* (2) Farrington  
An introduction to the problems in the administration of physical education in all institutions supporting physical education; the administration of a unified program; a study of physical-education plants, athletic fields, and equipment. Prerequisite: Physical Education 47. Tues. and Thurs., 9.10 A.M.  
Summer Sessions 1938 (2-2)—daily except Sat., 8.40 A.M.; second term begins August 1 (Myers).
- 103 *Applied Anatomy and Kinesiology* (3) Myers  
Anatomical analysis of the mechanics of movement in physical activities, with special reference to skill and posture. Prerequisite: Physical Education 50; Zoology 1-2. Mon., Wed., and Fri., 1.40 P.M.

- 104 *Physiology of Activity* (2) Myers  
A discussion of the physiological effects of physical-education activities. Prerequisite: Physical Education 50; Zoology 1-2. Tues. and Thurs., 10.10 A.M.
- 105-6 *Teaching Techniques and Methods in Corrective, Gymnastic, and Tumbling Physical-Education Activity* (2-2) Farrington  
Practical demonstration of teaching procedures in adapting these activities to the various problems in the secondary-school organization. Prerequisite: a minimum of twelve semester-hours in Physical Education. Hours to be arranged.  
Summer Sessions 1938 (2-2)—daily except Sat., 10.40 A.M.; second term begins August 1.
- 107-8 *Methods in Major Sport Activities* (2-2) The Staff  
A study of teaching procedures in adapting major sport activities to the several age-period groups and to individual differences existing in the secondary-school organization. Prerequisite: demonstration of a fair degree of skill in these various activities; Physical Education 49. First semester. Tues. and Thurs., 9.10 A.M. Second semester. Tues. and Thurs., 11.10 A.M.
- 109-10 *Methods in Minor Sport Activities* (2-2) The Staff  
A study of the scientific procedures in adapting these various activities to a secondary-school physical-education program. Prerequisite: demonstration of a fair degree of skill in these various activities. First semester. Tues. and Thurs., 11.10 A.M. Second semester. Tues. and Thurs., 9.10 A.M.
- 111 *Leadership Organization in the Intramural Program* (2) Farrington  
A course dealing with the principles of administration, organization, and supervision of intramural activities in the physical-education program of the junior high schools, senior high schools, and colleges. Prerequisite: Physical Education 47 and 49. Mon. and Wed., 1.40 P.M.
- 112 *Methods in Health Education* (3) Myers  
Study of the principles involved in the teaching of health at different age levels. Prerequisite: Physical Education 50; Zoology 1-2. Mon., Wed., and Fri., 9.10 A.M.
- 113 *Psychological Analysis of Activities* (2) \_\_\_\_\_  
A detailed analysis of the mental processes during participation in physical-education activities. Prerequisite: Psychology 1 and 22. Tues. and Thurs., 11.10 A.M.
- 114 *Administration of Community, Industrial, and Playground Recreation* (2) Farrington  
The administrative organization of public recreation; social

organization of recreation; problems of program content. Field trips; observation; practical work. Prerequisite: Physical Education 48. Mon. and Wed., 1.40 P.M.

- 116 *Community and Personal Hygiene* (2) Phillips  
Application of principles of health to community and personal life; sources of material for general health knowledge. Prerequisite: Physical Education 50; Zoology 1-2. Tues. and Thurs., 1.40 P.M.
- 117 *Individual Physical Education in Defects of Growth and Development* (3) Phillips  
A study of the structural and functional deficiencies, defects, and diseases that handicap normal growth and development; methods employed in the physical-education program to meet this situation. Prerequisite: Physical Education 50 and 103; Zoology 1-2. Mon., Wed., and Fri., 10.10 A.M.
- 118 *Tests and Measurements in Physical Education* (3) Myers  
A critical study of achievement tests in physical education; statistical methods; methods of constructing achievement tests. Prerequisite: Physical Education 47. Mon., Wed., and Fri., 10.10 A.M.
- 129-30 *Observation and Practice Teaching* (3-3) Myers  
Required of all major students in the junior or senior year. Assignments are made to schools in Washington, D. C., and vicinity. Prerequisite: minimum credit of sixty semester-hours, inclusive of four semester-hours in Physical Education activity and Physical Education 49; Education 115. Hours to be arranged.

### THIRD GROUP

- 201-2 *Seminar: Test Construction in Physical Education* (3-3) Myers  
A general study of current trends in the various phases of testing in physical education. A certain amount of originality and research work must be shown in a term report. Prerequisite: Physical Education 118. Tues., 7.30 to 9.30 P.M.
- 211 *Seminar: Recent Developments in Organization, Material, and Methods in Physical Education in Elementary Schools* (3) Atwell, Bayh  
Designed for the classroom teacher. Tues., 7.30 P.M.
- 212 *Seminar: Recent Developments in Organization, Material, and Methods in Physical Education in Secondary Schools* (3) Atwell, Bayh, Farrington  
Hours to be arranged.



## PHYSICAL EDUCATION FOR WOMEN

Ruth Harriet Atwell, A.M., *Professor of Physical Education for Women, Executive Officer.*

Helen Bennett Lawrence, A.M., *Assistant Professor of Physical Education for Women.*

Maude Nelson Parker, *Lecturer in Physical Education for Women.*

Jenny Emsley Turnbull, A.M. *Instructor in Physical Education for Women.*

Elizabeth Burtner, A.M., *Instructor in Physical Education for Women.*

Helen Taylor Hanford, A.M., *Associate in Physical Education for Women.*

Two years of Physical Education (Physical Education 1-2 and 11-12) are required of all women for graduation, except of students exempt under the regulations stated on pages 77-78. In the fall a complete medical and physical examination is given to each student for the purpose of discovering individual needs. Those students whose examinations indicate the desirability of remedial or restricted activity are assigned to a program especially adapted to their needs. This limited program includes moderate sports and individual gymnastics in small groups under careful supervision.

The required costume for Physical Education classes may be purchased at the University Store.

*Minimum requirements for the major.*—Prerequisite: Physical Education 1-2, 11-12, 13, 14, 15-16, 18, and 19-20; English 1 and 2, and 51-52 or 91-92; Psychology 1 and 22; Zoology 1-2. Required: Physical Education 101-2, 105, 107, 109-10, 111, 112, 113-14, 116, 117, and 118; Education 129-30 and two semester-hours in secondary-school Education; Physiology 115; six semester-hours in Social Studies; Sociology 120; Zoology 142x.

Students desiring to prepare themselves to teach another subject in addition to Physical Education may do so by choosing their elective hours in one subject-matter group upon the advice of the Executive Officer.

*Fees.*—For a statement of locker-rental fees, see page 63.

### FIRST GROUP

#### 1-2 Freshman Physical Education (1-1)

The Staff

One lecture on personal hygiene and two periods of activity a week.

Personal hygiene: study of a well-balanced program for daily living based on the general physiological laws of personal hygiene. Section A: Mon., 12.10 P.M.; section B: Tues., 12.10 P.M.

Activities: in the fall season freshmen may elect soccer or field hockey; in the winter season, dance, basketball, badminton,

or individual body mechanics; in the spring season, elementary, intermediate, or advanced swimming, or (if they pass the swimming test) archery, golf, tennis, or riding. Section A: Mon. and Wed., 1.40 P.M.; section B: Tues. and Thurs., 1.40 P.M.; section C: Mon. and Wed., 2.40 P.M.; section D: Tues. and Thurs., 2.40 P.M.

- 11-12 *Sophomore Physical Education (1-1)* The Staff  
Two periods of activity a week. In the fall season students may elect field hockey, soccer, golf, archery, tennis, or riding; in the winter season, dance, basketball, badminton, or individual body mechanics; in the spring season, swimming, or (if they pass the swimming test) tennis, golf, archery, or riding. Section A: Wed. and Fri., 11.10 A.M.; section B: Wed. and Fri., 12.10 P.M.; section C: Mon. and Wed., 1.40 P.M.; section D: Tues. and Thurs., 1.40 P.M.; section E: Mon. and Wed., 2.40 P.M.; section F: Tues. and Thurs., 2.40 P.M.

- 13 *Play in Education (1)* Atwell  
The significance of play in child development and in adult life; physiological and psychological characteristics of each age level; leadership in play activities. Thurs., 3.40 P.M.

- 14 *Playground Administration (1)* Parker  
Playground management, equipment, and activities; practice teaching on the playgrounds of Washington. Thurs., 3.40 P.M.

- 15-16 *Theory and Practice of Physical-Education Activities (3-3)* The Staff  
Practice and methods of teaching, with opportunities for practice teaching and for officiating in the following: (1) sports—field hockey, soccer, basketball, tennis, golf, archery, swimming, badminton; (2) gymnastics; (3) apparatus; (4) games; (5) dance—folk, tap, fundamentals and methods in modern dance, music in relation to dance. Fri., 1.40 to 4.30 P.M., other hours to be arranged.

- 18 *Kinesiology (3)* Lawrence  
A study of the anatomical mechanism of movement; analysis of the action of the muscles in physical-education activities. Pre-requisite: Zoology 1-2 and 142x. Tues., Thurs., and Sat., 9.10 A.M.

- 19-20 *Theory and Practice of Physical-Education Activities (2-2)* The Staff  
Practice and methods of teaching in the following activities: graded games for all ages; self-testing activities (including

tumbling, stunts, achievement tests, and individual athletic events); folk, tap, and clog dancing; recreational sports; volleyball; speedball. Fri., 1.40 to 4.30 P.M., other hours to be arranged.

## SECOND GROUP

101-2 *Therapeutic Gymnastics and Physical Examinations* (3-3)

Lawrence

Cause and correction of faulty body mechanics and other abnormal physical conditions; physical-examination methods used in the diagnosis of physical defects. Prerequisite: Physical Education 18; Zoology 1-2 and 142x. Mon., Wed., and Fri., 11.10 A.M.

105 *School Health Administration* (3)

Burtner

Principles underlying the school health program; study of the teaching of hygiene at various school levels. Mon., Wed., and Fri., 5.10 P.M.

107 *First Aid to the Injured* (1)

Lawrence

Procedure in case of accident in gymnasiums, athletic fields, or playgrounds. Red Cross diploma in first aid may be won. Hours to be arranged.

109-10 *Theory and Practice of Physical-Education Activities* (3-3)

The Staff

Continuation of Physical Education 15-16. Fri., 1.40 to 4.30 P.M., other hours to be arranged.

111 *History and Principles of Physical Education* (3)

Atwell

Prerequisite: Physical Education 13 and 14. Mon., Wed., and Fri., 9.10 A.M.

112 *Organization and Administration of Physical Education* (3)

Atwell

Organization and administration of physical education in elementary and secondary schools, colleges, and recreational centers. Prerequisite: Physical Education 13, 14, and 111. Mon., Wed., and Fri., 9.10 A.M.

113-14 *Theory and Practice of Physical-Education Activities* (2-2)

The Staff

Continuation of Physical Education 109-10. Fri., 1.40 to 4.30 P.M., other hours to be arranged.

116 *Advanced Therapeutic Gymnastics* (2)

Lawrence

Practice in giving physical examinations, analysis of results, prescription and teaching of corrective exercises; observation



in orthopedic clinics in city. Prerequisite: Physical Education 18 and 101-2; Zoology 1-2 and 142x. Hours to be arranged.

- 117 *Tests and Measurements in Physical Education* (2) Atwell  
Study and use of available tests; methods of test construction; elementary statistics. Tues. and Thurs., 11.10 A.M.

- 118 *Camp Leadership* (1) Atwell and Lecturers  
Philosophy and organization of modern camps. Lectures by specialists in the various phases of camping; field trips; instruction in camp activities. Thurs., 7.30 to 9.30 P.M.

- 129-30 *Observation and Cadet Teaching* (3-3) The Staff  
Hours to be arranged.

#### THIRD GROUP

- 211 *Seminar: Recent Developments in Organization, Material, and Methods in Physical Education in Elementary Schools* (3)  
Atwell, Bayh

Designed for the classroom teacher. Tues., 7.30 P.M.

- 212 *Seminar: Recent Developments in Organization, Material, and Methods in Physical Education in Secondary Schools* (3)  
Atwell, Bayh, Farrington

Hours to be arranged.

## PHYSICS

Thomas Benjamin Brown, Ph.D., *Professor of Physics, Executive Officer.*

Walter Lynn Cheney, Ph.D., *Professor of Physics.*

George Gamow, Physics D., *Professor of Theoretical Physics.*

Edward Teller, Ph.D., *Professor of Physics.*

Raymond John Seeger, Ph.D., *Associate Professor of Physics.*

George Martin Koehl, A.M., *Associate in Physics.*

Alfred Gilbert Lundquist, A.M., *Associate in Physics.*

*The major.*—Prerequisite: Physics 12, 13, 14, and 55; Mathematics 19 and 20. Required for the A.B. degree: Physics 113-14, 116x, 121-22, 124, and one second-group laboratory course; Mathematics 132. Required for the B.S. degree: same courses as for the A.B. degree, plus Mathematics 171.

*Fees.*—For a statement of material fees, see page 63.

### FIRST GROUP

- †3-4 *Introductory Survey in Physical Science\** (3-3) Seeger, Naeser  
A study of energy and matter, their relation to each other, and their significance to man. Mon., Wed., and Fri., 10.10 A.M.  
(Same as Chemistry 3-4)

- 11 *General Physics I\** (3) Cheney and Staff  
Introduction to the scientific method as used in the study of energy and forces: the physical properties of solids, liquids, and gases; the nature of heat. Lecture—sections A, B, and D: Tues., 11.10 A.M.; sections E-F: Tues., 5.10 P.M. Recitation and laboratory—section A: Thurs., 11.10 A.M., and Mon., 1.40 to 3.30 P.M.; section B: Thurs., 11.10 A.M., and Tues., 1.40 to 3.30 P.M.; section D: Thurs., 11.10 A.M., and Fri., 1.40 to 3.30 P.M.; section E: Thurs., 5.10 P.M., and Mon., 7.40 to 9.30 P.M.; section F: Thurs., 5.10 P.M., and Tues., 6.40 to 8.30 P.M.

Physics 11x—same as Physics 11, but offered second semester. Tues. and Thurs., 11.10 A.M., and Fri., 1.40 to 3.30 P.M.

- 12 *General Physics II\** (3) Seeger and Staff  
Electricity; magnetism; the principles underlying the uses of electric power in everyday life. Prerequisite: Physics 3-4 or 11. Lecture—sections A-D: Thurs., 11.10 A.M.; sections E-G:

\* Physics 12, 13, and 14 constitute the basic course in Physics. Students who have credit for high-school Physics from an accredited high school may omit Physics 3-4 or 11 as a prerequisite to Physics 12 and 13, provided that they pass a qualifying examination given at the beginning of the course (Physics 12 or Physics 13).

Before completing registration for Physics 11, 12, or 13, each student must obtain from the representative of the Department an assignment to a class section.

Thurs., 5.10 P.M. Recitation and laboratory—section A: Tues., 11.10 A.M., and Mon., 1.40 to 3.30 P.M.; section B: Sat., 11.10 A.M., and Tues., 1.40 to 3.30 P.M.; section C: Tues., 11.10 A.M., and Thurs., 1.40 to 3.30 P.M.; section D: Tues., 11.10 A.M., and Fri., 1.40 to 3.30 P.M.; section E: Tues., 5.10 P.M., and Mon., 7.40 to 9.30 P.M.; section F: Tues., 5.10 P.M. and 6.40 to 8.30 P.M.; section G: Tues., 5.10 P.M., and Thurs., 6.40 to 8.30 P.M.

Summer Sessions 1938 (3)—Mon., Wed., and Fri., 5.10 P.M., and Tues. and Thurs., 6.30 to 8.30 P.M., nine weeks' term (Cheney).

13 *General Physics III\** (3)

Seeger and Staff

Mechanics, sound, and the theory of optical instruments. Prerequisite: Physics 3-4 or 11. Lecture—sections A-D: Thurs., 11.10 A.M.; sections E-G: Thurs., 5.10 P.M. Recitation and laboratory—section A: Tues., 11.10 A.M., and Mon., 1.40 to 3.30 P.M.; section B: Sat., 11.10 A.M., and Tues., 1.40 to 3.30 P.M.; section C: Tues., 11.10 A.M., and Thurs., 1.40 to 3.30 P.M.; section D: Tues., 11.10 A.M., and Fri., 1.40 to 3.30 P.M.; section E: Tues., 5.10 P.M., and Mon., 7.40 to 9.30 P.M.; section F: Tues., 5.10 P.M. and 6.40 to 8.30 P.M.; section G: Tues., 5.10 P.M., and Thurs., 6.40 to 8.30 P.M.

Summer Sessions 1938 (3)—Mon., Wed., and Fri., 6.10 P.M., and Tues. and Thurs., 6.30 to 8.30 P.M., nine weeks' term (Brown and Cheney).

14 *General Physics IV\** (2)

Brown and Staff

The experimental evidence concerning the nature of light, electricity, and matter; practical developments of modern physics, such as X-ray apparatus, electron tubes, and radio. Prerequisite: Physics 12 and 13. Section A: Tues. and Thurs., 11.10 A.M.; section B: Tues. and Thurs., 5.10 P.M.

Summer Sessions 1938 (2)—daily except Sat., 5.10 P.M., six weeks' term (Brown).

55 *Physical Measurements* (2)

Brown

Theory and use of the methods of precise measurement in the several fields of physics. Prerequisite: Physics 12 and 13. Section A: Tues., 11.10 A.M. and 1.40 to 3.30 P.M.; section B: Tues., 5.10 P.M. and 7.30 to 9.30 P.M.

\* Physics 12, 13, and 14 constitute the basic course in Physics. Students who have credit for high school Physics from an accredited high school may omit Physics 3-4 or 11 as a prerequisite to Physics 12 and 13, provided that they pass a qualifying examination given at the beginning of the course (Physics 12 or Physics 13).

Before completing registration for Physics 11, 12, or 13, each student must obtain from the representative of the Department an assignment to a class section.



- 61-62 *The Physical Conception of the Universe* (2-2) Gamow  
The relation of physics to the problems of space, time, matter, and causality. Prerequisite: Physics 3-4 or its equivalent. Tues. and Thurs., 9.10 A.M.

## SECOND GROUP

- 113-14 *Molecular and Atomic Physics* (3-3) Teller  
Constituent particles of matter; kinetic theory and the properties of macroscopic bodies; spectra and the structure of atoms and molecules; introduction to chemical physics. Prerequisite: Physics 14; Mathematics 20. Tues. and Thurs., 6.10 to 7.30 P.M.
- 116x *Optics* (3) Cheney  
Geometrical optics; elementary theory of wave motion; interference, diffraction, polarization, and dispersion of light; laws of thermal radiation. Prerequisite: Physics 14; Mathematics 20. (Offered in 1939-40 and alternate years)
- 121-22 *Dynamics and Thermodynamics* (3-3) Cheney  
Prerequisite: Physics 14; Mathematics 20. Mon., Wed., and Fri., 5.10 P.M. (Offered in 1938-39 and alternate years)
- 124 *Principles of Electricity* (3) Cheney  
An exact consideration of the fundamental phenomena of electricity and magnetism, primarily from the experimental standpoint; circuit theory, including elementary alternating-current circuits. Prerequisite: Physics 14; Mathematics 20. (Offered in 1939-40 and alternate years)
- 133x *Electronics* (3) Brown  
The phenomena of electron emission from solids; the physical properties of electron tubes, and the principles underlying their basic applications. Prerequisite: Physics 14, and Physics 124 or Electrical Engineering 101. Lectures—Mon. and Wed., 6.10 P.M. Laboratory—section A: Tues., 1.40 to 3.30 P.M.; section B: Fri., 6.30 to 8.30 P.M.
- 134x *High-Frequency Electrical Phenomena* (3) Brown  
High-frequency measurements; applications of electron tubes to high-frequency circuits, including amplifiers, oscillators, and modulated oscillators. Prerequisite: Physics 133x. (Offered in 1939-40 and alternate years)
- 143-44 *Experimental Atomic Physics* (2-2) Brown  
A laboratory course designed to parallel the work of Physics

- 113-14. Prerequisite or concurrent registration: Physics 113-14.  
Section A: Fri., 1.40 to 4.30 P.M.; section B: Fri., 7.10 to 10 P.M.
- 155-56 *Advanced Physical Measurements (2-2)* Brown  
An individual program of experiments is arranged for each student in accordance with his preparation and his special interests. Prerequisite: Physics 55, and Physics 116x or 124. Section A: Tues., 1.40 to 4.30 P.M.; section B: Fri., 7.10 to 10 P.M.
- 165 *Special Relativity (3)* Gamow  
Prerequisite: Physics 121 and 124. (Not offered in 1938-39)

## THIRD GROUP

- 211-12 *Classical Physical Theory (3-3)* Brown  
First semester: dynamics of systems of particles and of rigid bodies; generalized coordinates; a brief treatment of general thermo-dynamic theory. Second semester: dynamics of deformable bodies and incompressible fluids; electromagnetic-field theory and the electromagnetic theory of light. Prerequisite: Physics 121-22 and 124; Mathematics 132 and 171. Mon., Wed., and Fri., 5.10 P.M.
- 221-22 *Quantum Physics (3-3)* Teller  
Principles of atomic physics. Correspondence between micro-physics and macro-physics. Dual description of matter and radiation in terms of waves and particles. Prerequisite: Physics 113-14; Mathematics 132. Mon. and Wed., 6.10 to 7.25 P.M.
- 243-44 *Experimental Electronics (3-3)* Brown  
Advanced laboratory work of research character. Prerequisite: Physics 133x and 143-44. Hours by arrangement, not after 5 P.M.
- 251 *Electron Theory of Metals (3)* Seeger  
Theory of the motion of electrons in a crystal lattice, with applications to the physical properties of metals. Prerequisite: Physics 221-22 or its equivalent. Mon., Wed., and Fri., 5.10 P.M. (Offered in 1938-39 and alternate years)
- 256 *Statistical Mechanics (3)* Seeger  
Foundations of classical and quantum statistics, with applications to gases and crystals. Prerequisite: Physics 113-14; Mathematics 132. Mon., Wed., and Fri., 5.10 P.M.
- 261 *Nuclear Physics (3)* Gamow  
Prerequisite: Physics 221-22 or its equivalent. (Offered in 1939-40)

265 *Gravitation and Cosmology* (3)

Gamow

Prerequisite: Physics 165; Mathematics 132. (Offered in 1939-40)

271-72 *Structure of Molecules* (3-3)

Teller

First semester: configuration and vibration of atoms in molecules; electrical properties of molecules. Second semester: theory of spectra of atoms and molecules; electronic structure of matter; the problem of valency. Prerequisite: Physics 221-22 or its equivalent. (Offered in 1939-40 and alternate years)

291-92 *Seminar: Theoretical Physics* (2-2)

Gamow

Individual investigations of special problems. Students not taking the course are invited to attend the meetings and to participate in the discussions. Fri., 8.10 to 10 P.M.

## SPECIAL METHOD COURSE

*Biology 172, Teaching of Science.*



## PHYSIOLOGY

Errett Cyril Albritton, A.B., M.D., *Professor of Physiology, Executive Officer.*

Chester Elwood Leese, Ph.D., *Associate Professor of Physiology.*

Alma Fogelberg, Ph.D., *Instructor in Physiology.*

Robert Custis Grubbs, M.S., M.D., *Instructor in Physiology.*

- 115 *Physiology* (3) Leese  
Lectures covering the fundamentals of physiology in its various subdivisions. Prerequisite: one year of general science or one semester of a biological science. Section A: Tues., Thurs., and Sat., 9.10 A.M.; section B: Tues. and Thurs., 5 to 6.25 P.M.
- 117 *Physiology* (1) Fogelberg, Grubbs  
Laboratory exercises in the fundamentals of physiology. Prerequisite: Physiology 115 or its equivalent. The two, 115 and 117, may be taken concurrently. Sat., 10.10 A.M. to 1 P.M.
- 118 *Physiology* Albritton and Staff  
An intensive didactic survey of the various subdivisions of vertebrate physiology, drawing heavily on prerequisite work in physics, biology, and chemistry, and establishing the concept of physiology as a science made up of variables and their causal interrelationships. Two hours a week.
- 219 *Experimental Physiology* Albritton and Staff  
Laboratory work, with conferences and advanced lectures. In the laboratory the student is given first a period of basic training in physiological techniques. He is then offered a wide variety of simple problems, each involving the demonstration of a causal relationship between two functional variables. Problems are taken from current literature and earlier sources and cover the usual subdivisions of laboratory study, including mammalian work. Training in experimental method is emphasized, and rigorous standards of proof are maintained. Two hours of lectures and nine hours of laboratory work a week.
- 221-22 *Introduction to Research* (3-3) Albritton and Staff  
Hours to be arranged.
- 223 *Physiology Conference (elective)* The Staff  
One hour a week.

225 *Seminar (elective)*

Albritton

Lectures upon the judgment of evidence in medical investigation, including testing of the significance of a result. One hour a week.

226 *Physiology of the Emotions (elective)*

Leese

Lectures upon the genesis and expression of the emotions from a physiological point of view. One hour a week.

227-28 *Research*

Albritton and Staff

Hours and credits to be arranged.

## POLITICAL SCIENCE

Warren Reed West, Ph.D., *Professor of Political Science, Executive Officer.*

William Crane Johnstone, Jr., Ph.D., *Professor of Political Science.*

Colón Eloy Alfaro, *Professorial Lecturer on International Law.*

John Albert Tillema, Ph.D., LL.M., S.J.D., *Associate Professor of Political Science.*

\_\_\_\_\_, *Assistant Professor of Political Science.*

Shio Sakanishi, Ph.D., *Research Associate in Political Science.*

*Minimum requirements for the major.*—Prerequisite: Political Science 9-10. Required: twenty-four semester-hours of second- or third-group courses in Political Science or (with specific written approval of the Department of Political Science) in related departments.

### FIRST GROUP

- 9-10 *Government of the United States* (3-3) West. \_\_\_\_\_  
Section A: Mon., Wed., and Fri., 9.10 A.M.; section B: Mon., Wed., and Fri., 11.10 A.M.; section C: Tues., Thurs., and Sat., 5.10 P.M.

Summer Sessions 1938—Political Science 9 (3), daily except Sat., 5.10 P.M., nine weeks' term (West); Political Science 10 (3), daily except Sat., 6.10 P.M., nine weeks' term (West); Political Science 9-10 (3-3), daily except Sat., 9.30 to 11.20 A.M., nine weeks' term (Tillema).

### SECOND GROUP

- 111 *The Governments of Europe: The Older Democracies* (3) Tillema  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri., 5.10 P.M.
- 112 *The New Governments of Europe* (3) Tillema  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri., 5.10 P.M.
- 115 *Municipal Government* (3) Tillema  
Prerequisite: Political Science 9-10. (Not offered in 1938-39)
- 116 *Political Parties* (3) Tillema  
Prerequisite: Political Science 9-10. (Not offered in 1938-39)



- 117 *Political Theory* (3) West  
Prerequisite: Political Science 9-10. (Not offered in 1938-39)
- 121-22 *The Constitution of the United States* (3-3) West  
Prerequisite: Political Science 9-10. Tues., Thurs., and Sat.,  
11.10 A.M.
- 124 *Legislative Organization* (3) West  
Prerequisite: Political Science 9-10. (Not offered in 1938-39)
- 127 *Commercial Law: The Principles of Contract, Agency, and Bailments* (3) Tillema  
Prerequisite: Political Science 9-10. Tues., Thurs., and Sat.,  
9.10 A.M.  
Summer Sessions 1938 (3)—daily except Sat., 6.10 P.M., nine weeks' term.
- 128 *Commercial Law: Negotiable Instruments, Partnerships, Corporations, and Bankruptcy* (3) Tillema  
Prerequisite: Political Science 9-10. Tues., Thurs., and Sat.,  
9.10 A.M.
- 130 *Admiralty* (3) Tillema  
Prerequisite: Political Science 9-10. (Not offered in 1938-39)
- 151-52 *Administration* (2-2) Tillema  
Prerequisite: Political Science 9-10. Tues. and Thurs., 5.10 P.M.
- 171 *International Organization* (3) Johnstone  
Prerequisite: Political Science 9-10. (Not offered in 1938-39)
- 172 *International Politics* (2) Johnstone  
Prerequisite: Political Science 9-10. (Not offered in 1938-39)  
Summer Sessions 1938 (2)—daily except Sat., 9.30 A.M., six weeks' term.
- 181-82 *International Law* (3-3) Tillema  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri.,  
6.10 P.M.
- 191 *The Near East* (3) Johnstone  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri.,  
5.10 P.M.
- 193 *The Far East: Politics and Government to 1894* (3) Johnstone  
Prerequisite: Political Science 9-10. (Not offered in 1938-39)
- 194x *The Far East: Politics and Government since 1894* (3) Johnstone  
Prerequisite: Political Science 9-10. Mon., Wed., and Fri.,  
10.10 A.M.

Summer Sessions 1938 (2)—daily except Sat., 5.10 P.M., six weeks' term.

- |     |   |           |
|-----|---|-----------|
| 195 | <i>Proseminar: Oriental Affairs</i> (3)                           | Johnstone |
|     | Mon., 8.10 to 10 P.M.   |           |
| 196 | <i>Proseminar: Oriental Affairs</i> (3)                           | Johnstone |
|     | (Not offered in 1938-39)  |           |
| 198 | <i>Colonial Dependencies in the Pacific Area</i> (3)              | Johnstone |
|     | Prerequisite: Political Science 9-10. (Not offered in 1938-39)    |           |
| 199 | <i>Proseminar: Readings for International Relations Major</i> (3) | Johnstone |

Hours to be arranged.

### THIRD GROUP

- |        |   |           |
|--------|---|-----------|
| 209-10 | <i>Seminar</i> (3-3)  | West      |
|        | Wed., 8.10 to 10 P.M.   |           |
| 275-76 | <i>Proseminar: Foreign Service</i> (3-3)  | Tillema   |
|        | Tues., 8.10 to 10 P.M.  |           |
| 281-82 | <i>Seminar: International Law and Relations</i> (3-3)   | Johnstone |
|        | (Not offered in 1938-39)  |           |
|        | Summer Sessions 1938—Political Science 282 (2), Tues. and Thurs., 8.10 to 10 P.M., six weeks' term. |           |

## PSYCHIATRY

Winfred Overholser, A.B., M.D., *Professor of Psychiatry, Executive Officer.*

Roscoe Willis Hall, Ph.B., M.D., *Clinical Professor of Psychiatry.*

John Edward Lind, M.D., *Clinical Professor of Psychiatry.*

Paul Jacob Ewerhardt, M.D., *Clinical Instructor in Psychiatry.*

Harriet Elizabeth Twombly, A.B., M.D., *Clinical Instructor in Psychiatry.*

Addison McGuire Duval, M.D., *Clinical Instructor in Psychiatry.*

Winifred Richmond, Ph.D., *Clinical Instructor in Psychiatry.*

Samuel Alexander Silk, Ph.D., M.D., *Clinical Instructor in Psychiatry.*

Alice Heyl Kiessling, A.B., M.D., *Clinical Instructor in Psychiatry.*

Edgar Deucher Griffin, A.B., M.D., *Clinical Instructor in Psychiatry.*

**136 *Introductory Medical Psychology (elective)* Lind**

The theoretical and practical aspects of the constitution, character, and personality as related to Medicine; the psychological features in various diseases, with special attention to the patient's personality; the different types of character development and their special ways of adaptation. One hour a week.

**246 *Organic Psychopathology (elective)* Hall**

The common organic-reaction types, illustrated with suitable case presentations. One hour a week.

**352 *Psychiatry* Overholser**

A course on the major psychoses, illustrated by the presentation of clinical material and utilized for the purpose of explaining the fundamental psychological mechanisms involved. St. Elizabeths Hospital, one hour a week.

**354 *Personality Adjustments* Ewerhardt**

Maladaptations occurring in childhood and youth. One hour a week for eight weeks.

**441-42 *Ward Work* The Staff**

The personal examination of the various types of psychosis and the writing by the student of a formal report of the mental examination, followed by a review of the cases with an instructor. St. Elizabeths Hospital, two hours a week.



443-44 *Psychoneurosis*

Lind

A course on the descriptive aspects, the etiology, the psychopathology, and the treatment of the various psychoneuroses. St. Elizabeths Hospital, one hour a week for twelve weeks.

451 *Personality Profiles*

Richmond

Utilization of psychological testing methods for the purpose of determining individuals' limitations and special capacities. St. Elizabeths Hospital, one hour a week for four weeks.

## PSYCHOLOGY

Mitchell Dreese, Ph.D., *Professor of Educational Psychology, Executive Officer.*

Thelma Hunt, Ph.D., M.D., *Associate Professor of Psychology.*

Steuart Henderson Britt, Ph.D., *Assistant Professor of Psychology.*

John Porter Foley, Jr., Ph.D., *Assistant Professor of Psychology.*

Katharine Tait Omwake, Ph.D., *Visiting Assistant Professor of Psychology.*

William Moore Loman, A.M., *Lecturer in Psychology.*

*Minimum requirements for the major.*—Prerequisite: Psychology 1 and three semester-hours of any other first-group course in Psychology. Required: Psychology 115, 125 (or 151, 251, or 252), 191 or 192, 201-2, and six semester-hours of any other second- or third-group courses; Physiology 115. In addition, students majoring in Psychology will ordinarily elect Statistics 131-52 as a related course.

*Fees.*—For a statement of fees, see page 63.

### FIRST GROUP

#### 1 *General Psychology\** (3) Hunt, Britt, Foley

The fundamental principles underlying human behavior. Section A: Mon., Wed., and Fri., 9.10 A.M.; section B: Mon., Wed., and Fri., 10.10 A.M.; section C: Tues. and Thurs., 11.10 A.M. to 12.25 P.M.; section D: Mon., Wed., and Fri., 5.10 P.M.; section E: Tues. and Thurs., 6.10 to 7.25 P.M.

Psychology 1x—same as Psychology 1, but offered second semester. Mon., Wed., and Fri., 6.10 P.M.

Summer Sessions 1938 (3)—section A: daily except Sat., 8.30 A.M., nine weeks' term; section B: daily except Sat., 5.10 P.M., nine weeks' term (Hunt).

#### 2 *Applied Psychology\** (3) Hunt, Britt, Foley

The applications of psychology in business, industry, medicine, law, athletics, education, and art. Section A: Mon., Wed., and Fri., 9.10 A.M.; section B: Mon., Wed., and Fri., 10.10 A.M.; section C: Tues. and Thurs., 11.10 A.M. to 12.25 P.M.; section D: Mon., Wed., and Fri., 5.10 P.M.

Psychology 2x—same as Psychology 2, but offered first semester. Mon., Wed., and Fri., 6.10 P.M.

Summer Sessions 1938 (3)—daily except Sat., 6.10 P.M., nine weeks' term (Omwake).

\* Psychology 1 is prerequisite to all other courses in Psychology.

- 22 *Introduction to Educational Psychology\** (3) Dreese  
Individual differences and their educational significance; the psychology of learning, with special emphasis on adolescence. Mon., Wed., and Fri., 10.10 A.M.

## SECOND GROUP\*

- 115 *Abnormal Psychology* (3) Hunt  
The causes, diagnosis, treatment, and prevention of the various types of mental disorders. Mon., Wed., and Fri., 6.10 P.M.  
Summer Sessions 1938 (3)—daily except Sat., 6.10 P.M., nine weeks' term.
- 118 *Structural Factors in Behavior* (2) Hunt  
The endocrine glands and other chemical factors as they affect behavior. Tues. and Thurs., 9.10 A.M.
- 121 *Educational Psychology* (3) Dreese  
Parallels Psychology 22, but is designed for teachers of experience and for graduate students. Mon., Wed., and Fri., 5.10 P.M.  
Summer Sessions 1938 (2)—daily except Sat., 8.30 A.M., six weeks' term.
- 125 *Child Psychology* (3) Dreese  
A genetic approach to the study of the child in the home. Mon., Wed., and Fri., 10.10 A.M.  
Psychology 125x—same as Psychology 125, but offered second semester. Mon., Wed., and Fri., 5.10 P.M.
- 128 *Psychology of Adolescence* (3) Dreese  
A survey of the physical, emotional, social, and intellectual characteristics of the adolescent. (Offered in 1939-40 and alternate years)
- 129 *Educational and Vocational Guidance* (2) Dreese  
A survey of the techniques used in guidance. Mon., 7.30 P.M.
- 131 *Psychological Tests* (2) Hunt  
A survey of psychological tests and their more common uses in business, industry, law, and medicine. Tues. and Thurs., 10.10 A.M.
- 132 *Individual Psychological Testing* (2) Hunt  
Instruction and practice in the giving of the Binet test and other individual psychological tests. Tues. and Thurs., 10.10 A.M.

\* Psychology 1 is prerequisite to all other courses in Psychology.



- 134 *Educational Measurements* (2) Dreese  
The construction and use of the newer types of educational tests. Mon., 7.30 P.M.  
Summer Sessions 1938 (2)—daily except Sat., 11.30 A.M., six weeks' term.
- 141 *Personnel Psychology* (3) Loman  
The principles of job analysis; methods of selection, placement, and promotion of personnel; instruction in the use of standardized tests and research methods in cooperation with the personnel officers in local industrial organizations. Tues. and Thurs., 6.10 to 7.30 P.M.
- 142 *Psychology of Advertising and Selling* (3) Loman  
Tues. and Thurs., 6.10 to 7.30 P.M.
- 147 *Psychology and Law* (3) Britt  
May be elected by prelegal students and others. The psychological and sociological implications of the work of courts and of the legal profession. Mon., Wed., and Fri., 11.10 A.M.
- 151 *Social Psychology* (3) Britt  
The behavior of individuals in their reactions to other individuals and in social situations. Mon., Wed., and Fri., 5.10 P.M.  
Psychology 151x—same as Psychology 151, but offered second semester. Mon., Wed., and Fri., 11.10 A.M.
- 154 *Public Opinion* (3) Britt  
The background, formation, and control of public opinion in school, church, press, radio, theater, and politics. Prerequisite: Psychology 151. Mon., Wed., and Fri., 5.10 P.M.
- 161 *Comparative Psychology* (3) Foley  
A survey of psychological phenomena in infrahuman organisms, with special emphasis upon the evolution of animal behavior from the lowest forms to man. (Offered in 1939-40 and alternate years)
- 180 *Systematic Psychology* (3) Omwake  
Current psychological problems and contemporary psychological schools.  
Summer Sessions 1938—daily except Sat., 5.10 P.M., nine weeks' term.
- 191-92 *Experimental Psychology* (3-3) Foley  
Technique and application of experimental methods to various fields of psychology. Tues. and Thurs., 5.10 to 6.25 P.M.

## THIRD GROUP\*

201-2 *Proseminar in Psychology* (3-3)

Britt, Foley

First semester: the historical origin and development of persistent concepts and problems in psychology; second semester: a comparative and critical survey of the contemporary psychological schools. Admission by permission of the instructors. Tues., 7.30 P.M.

221-22 *Seminar: Educational Psychology* (3-3)

Dreese

First semester: individual differences; second semester: learning and measurements. Tues., 7.30 P.M.

223 *Seminar: Psychology of Motivation* (3)

Dreese

Problems relating to the motivation of behavior, with special reference to education.

Summer Sessions 1938—daily except Sat., 9.30 A.M., six weeks' term.

231-32 *Seminar: Test Construction* (3-3)

Hunt

The principles underlying the construction and application of psychological, educational, and vocational tests, with practice in the construction of tests. Training will be given in the use of advanced statistical methods in the evaluation and standardization of tests. Fri., 7.30 P.M.

251-52 *Seminar: Social Psychology* (3-3)

Foley, Britt

First semester: psychological phenomena in different human cultures, with special emphasis upon the social conditioning of human behavior; second semester: the significant problems and experiments of social psychology. Thurs., 7.30 P.M.

\* Psychology 1 is prerequisite to all other courses in Psychology.

## PUBLIC SPEAKING

Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking, Executive Officer.*

Harold Friend Harding, Ph.D., *Associate Professor of Public Speaking.*

Henry Goddard Roberts, A.M., *Assistant Professor of Public Speaking.*

Winfield DeWitt Bennett, A.M., *Assistant Professor of Public Speaking.*

*The major.*—Required: twenty-four semester-hours of second- and third-group courses. Recommended in addition: English 117-18, 183, and 184; Philosophy 103 and 122; Psychology 151 and 154.

### FIRST GROUP

- 1 *Principles of Effective Speaking* (3) The Staff  
Short informative and persuasive speeches; delivery practice; pronunciation, enunciation, and diction; impromptu speaking; parliamentary procedure. Speech recordings are required. Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Tues., Thurs., and Sat., 10.10 A.M.; section C: Mon., Wed., and Fri., 11.10 A.M.; section D: Mon., Wed., and Fri., 5.10 P.M.; section E: Mon., Wed., and Fri., 6.10 P.M.; section F: Tues. and Thurs., 6.10 to 7.25 P.M.  
Public Speaking 1x—same as Public Speaking 1, but offered second semester. Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Tues., Thurs., and Sat., 10.10 A.M.; section C: Mon., Wed., and Fri., 5.10 P.M.
- 2 *Principles of Effective Speaking* (3) The Staff  
Special emphasis is placed on persuasive and entertaining speeches. This course is a continuation of Public Speaking 1, which is prerequisite. Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Mon., Wed., and Fri., 5.10 P.M.
- 3 *Principles of Effective Speaking* (2) The Staff  
This course is similar to Public Speaking 1, but offered for two semester-hours of credit. Not open to students who have credit for Public Speaking 1. Section A: Tues. and Thurs., 5.10 P.M.; section B: Tues., 8.10 to 10 P.M.  
Public Speaking 3x—same as Public Speaking 3, but offered second semester. Tues., 8.10 to 10 P.M.
- 4 *Principles of Effective Speaking* (2) The Staff  
This course is similar to Public Speaking 2, but offered for two



semester-hours of credit. Not open to students who have credit for Public Speaking 2. Tues. and Thurs., 5.10 P.M.

**11 *Argumentation and Debate* (3)**

The Staff

The methods of influencing the beliefs or actions of others by means of reasoned discourse; practice debates on problems and on public questions. Prerequisite: Public Speaking 1. Mon., Wed., and Fri., 5.10 P.M.

Public Speaking 11x—same as Public Speaking 11, but offered second semester. Section A: Tues., Thurs., and Sat., 10.10 A.M.; section B: Mon., Wed., and Fri., 11.10 A.M.; section C: Mon., Wed., and Fri., 6.10 P.M.

**21 *Oral Reading* (2)**

Harding

History of reading aloud, with special attention to meaning, pronunciation, enunciation, vocal refinement, and delivery; study and appreciation of selections from both poetry and prose. Section A: Tues. and Thurs., 11.10 A.M.; section B: Tues. and Thurs., 6.10 P.M.

**22 *Oral Reading* (2)**

Harding

This course is a continuation of Public Speaking 21, which is prerequisite. Tues. and Thurs., 11.10 A.M.

**31 *Business Speeches* (2)**

Yeager

Oral reports, good-will speeches, sales talks, inspirational speeches, discussion of policy, and after-dinner speeches. Prerequisite: Public Speaking 1. Section A: Tues. and Thurs., 9.10 A.M.; section B: Tues. and Thurs., 5.10 P.M.

**32 *Personal Conferences and Interviews* (2)**

Yeager

Interviewing others to obtain information and persuading others to believe or act in personal conferences; practice conferences and interviews. Prerequisite: Public Speaking 1. Tues. and Thurs., 5.10 P.M.

SECOND GROUP

**107-8 *Formal Speeches and Parliamentary Procedure* (2-2)**

Roberts

Speeches of nomination, eulogy, presentation, acceptance, welcome, response, introduction, and commemoration; popular talks; parliamentary procedure. Prerequisite: five semester-hours of Public Speaking. Section A: Tues. and Thurs., 11.10 A.M.; section B: Tues. and Thurs., 5.10 P.M.

**110 *Radio Speaking* (2)**

Yeager

Radio speeches, interviews, and discussions; news commentators and news reporting. Prerequisite: five semester-hours of Public Speaking. Tues. and Thurs., 9.10 A.M.

- 116 *Congressional Debate* (2) Harding  
Study of current public questions being debated in the House and Senate of the United States; techniques of discussion both in committee and on the floor, including rules, procedure, hearings, questioning, cross-examination, refutation, and rebuttal. Prerequisite: five semester-hours of Public Speaking. Tues. and Thurs., 5.10 P.M.
- 122 *Advanced Argumentation and Debate* (3) The Staff  
Advanced study of reasoned discourse and its application to practical speech problems; practice debates. Prerequisite: Public Speaking 11. Mon., Wed., and Fri., 5.10 P.M.  
Public Speaking 122x—same as Public Speaking 122, but offered first semester. Mon., Wed., and Fri., 11.10 A.M.
- 126 *Advanced Debate Practice* (1) The Staff  
Open only to members of the men's and women's intercollegiate debate squads. Public debates and debate conferences. Admission by permission of the instructor. Hours to be arranged.
- 128 *Advanced Debate Practice* (1) The Staff  
Open only to members of the men's and women's intercollegiate debate squads. Public debates and debate conferences. Admission by permission of the instructor. Hours to be arranged.
- 131 *Group Thinking* (2) Yeager  
The process of thinking and problem-solving in committees and small groups. Prerequisite: four semester-hours of Public Speaking. Tues. and Thurs., 6.10 P.M.
- 132 *Conference Leadership* (2) Yeager  
Training leaders for forum conferences, including panel discussions of all kinds, and for small and large chairman-group conferences. Prerequisite: Public Speaking 131. Tues. and Thurs., 6.10 P.M.
- 141 *Classical Orators and Oratory* (3) Harding  
Rhetorical theory of Aristotle, Cicero, Quintilian, and Longinus; study of Greek and Roman orations, especially those of Demosthenes and Cicero. Prerequisite: five semester-hours of Public Speaking. Mon., Wed., and Fri., 6.10 P.M.
- 142 *English Orators and Oratory* (3) Roberts  
A survey of English orators and oratory from the sixteenth century to recent times. Prerequisite: five semester-hours of Public Speaking. Mon., Wed., and Fri., 6.10 P.M.
- 143 *American Orators and Oratory* (3) Yeager  
A survey of American orators and oratory from Colonial days

to recent times. Prerequisite: five semester-hours of Public Speaking. Mon., Wed., and Fri., 9.10 A.M.

- 151-52 *Advanced Oral Reading (2-2)* Harding  
Reading aloud of more difficult selections from poetry and prose, especially parts from plays. Prerequisite: Public Speaking 21 and 22. (Not offered in 1938-39)
- 191-92 *History of the Theory of Public Speaking (3-3)* Harding  
Rapid reading of English writers on rhetorical theory with special attention to Wilson, Blair, Whately, and Campbell. Prerequisite: Public Speaking 141, and 142 or 143. Hours to be arranged.

#### THIRD GROUP

- 201-2 *Studies in Group Thinking and Conference Leadership (3-3)* Yeager  
Prerequisite: Public Speaking 131 and 132. Hours to be arranged.
- 209-10 *Studies in Classical Orators and Oratory (3-3)* Harding  
Prerequisite: Public Speaking 141. Hours to be arranged.
- 221-22 *Studies in English Orators and Oratory (3-3)* Roberts  
Prerequisite: Public Speaking 142. Hours to be arranged.
- 231-32 *Studies in American Orators and Oratory (3-3)* Yeager  
Prerequisite: Public Speaking 143. Hours to be arranged.



## ROMANCE LANGUAGES AND LITERATURES

George Neely Henning, A.M., Litt.D., *Professor of Romance Languages, Executive Officer.*

Henry Grattan Doyle, A.M., *Professor of Romance Languages.*

Cecil Knight Jones, Litt.B., *Adjunct Professor of Spanish American Literature.*

Merle Irving Protzman, A.M., *Associate Professor of Romance Languages.*

Alan Thomas Deibert, A.M., *Associate Professor of Romance Languages.*

Irene Cornwell, Ph.D., *Assistant Professor of Romance Languages.*

Antonio Alonso, A.M., *Instructor in Romance Languages.*

Luis Quintanilla, Ph.B., L.-ès-L., *Associate in Romance Languages.*

*Minimum requirements for the major.*—French—twenty-four semester-hours of second- or third-group courses, except 107-8. Spanish—twenty-four semester-hours of second- or third-group courses, except 107-8. Romance Languages—twelve semester-hours of second- or third-group courses, except 107-8, in each language.

Examinations for the purpose of waiving required courses in French and Spanish, as provided on pages 99, 110, and 185, will be both oral and written. Candidates for these examinations should consult the Executive Officer of the Department prior to the date of examination.

### FRENCH

#### FIRST GROUP

##### †1-2 *First-Year French* (3-3)

Protzman and Staff

For beginners. Grammar; composition; drill in pronunciation; translation of modern French prose. Section A: Tues., Thurs., and Sat., 9.10 A.M.; section B: Mon., Wed., and Fri., 11.10 A.M.; section C: Mon., Wed., and Fri., 5.10 P.M.; section D: Mon., Wed., and Fri., 6.10 P.M.; section E: Tues. and Thurs., 6.10 to 7.25 P.M.

Summer Sessions 1938 (3-3)—daily except Sat., 6.10 to 8 P.M., nine weeks' term (Doyle).

##### †5-6 *Second-Year French* (3-3)

Henning and Staff

Advanced grammar and composition; translation of modern French prose. Prerequisite: French 1-2 or two years of high-school French. Section A: Tues., Thurs., and Sat., 9.10 A.M.; section B: Tues., Thurs., and Sat., 9.10 A.M.; section C: Mon., Wed., and Fri., 11.10 A.M.; section D: Mon., Wed., and Fri., 11.10 A.M.; section E: Mon., Wed., and Fri., 5.10 P.M.; section

F: Mon., Wed., and Fri., 6.10 P.M.

Summer Sessions 1938 (3-3)—daily except Sat., 6.10 to 8 P.M., nine weeks' term (Protzman).

- †7-8 *Elementary Conversation and Composition\** (3-3) Quintanilla  
Prerequisite: French 1-2 or two years of high-school French.  
Admission by permission of the instructor. Tues. and Thurs.,  
5.10 to 6.25 P.M.

#### SECOND GROUP

- †107-8 *Advanced Conversation and Composition\** (3-3) Quintanilla  
Prerequisite: French 7-8. Mon., Wed., and Fri., 9.10 A.M.
- †115-16 *Survey of French Literature from the Seventeenth to the Twentieth Century* (3-3)  
Prerequisite: French 5-6. Section A will be conducted in French so far as practicable. Section A: Mon., Wed., and Fri., 10.10 A.M. (Cornwell); section B: Tues., Thurs., and Sat., 5.10 P.M. (Protzman).
- †119-20 *Literature of the Sixteenth Century* (3-3) Protzman  
Prose, poetry, drama, and memoirs of the French Renaissance: Rabelais, Montaigne, Marot, la Pléiade, Garnier, etc. Class analysis of texts; collateral reading. Prerequisite: French 115-16. Recommended: History 120. (Offered in 1939-40 and alternate years)
- †121-22 *Literature of the Seventeenth Century* (3-3) Henning  
History, philosophy, criticism, memoirs, letters, eloquence, drama, fiction, poetry. Prerequisite: French 115-16. (Offered in 1939-40 and alternate years)
- †123-24 *Literature of the Eighteenth Century* (3-3) Deibert  
History, philosophy, criticism, letters, drama, fiction, poetry, the "salons", the idea of progress, the idea of science. Translation; collateral reading; lectures on literature and history. Prerequisite: French 115-16. Tues. and Thurs., 6.10 to 7.25 P.M. (Offered in 1938-39 and alternate years)
- †125-26 *The Romantic Movement* (3-3) Henning  
History, drama, fiction, poetry. Translation; collateral reading; lectures on literature and history. Prerequisite: French 115-16. Mon., Wed., and Fri., 5.10 P.M. (Offered in 1938-39 and alternate years)

\* Neither French 7-8 nor 107-8 may be used to complete curriculum requirements of two years of modern languages, nor may they be counted toward the major requirements.

- †127-28 *Literature of the Nineteenth and Twentieth Centuries from 1850 to the Present* (3-3) Henning  
History, drama, fiction, poetry. Translation; collateral reading; lectures on literature and history. Prerequisite: French 115-16. (Offered in 1939-40 and alternate years)
- †129-30 *French Drama* (3-3) Protzman  
Study of the principal dramatic movements and theories from the origins to the present, with class analysis of representative complete plays and individual reports to the class of supplementary plays. Prerequisite: French 115-16. Tues., Thurs., and Sat., 10.10 A.M. (Offered in 1938-39 and alternate years)
- †139-40 *Modern Fiction from 1800 to the Present* (3-3) Henning  
Prerequisite: French 115-16. Mon., Wed., and Fri., 10.10 A.M. (Offered in 1938-39 and alternate years)

## THIRD GROUP

- †227-28 *Seminar: French Lyric Poetry of the Nineteenth Century* (3-3) Henning  
Prerequisite: a second-group course in French literature. Thurs., 7.30 to 9.30 P.M. (Offered in 1938-39 and alternate years)
- †229-30 *Molière* (3-3) Henning  
Prerequisite: a second-group course in French literature. (Offered in 1939-40 and alternate years)
- †249-50 *Old French\** (3-3) Doyle  
Philology and literature: *La Chanson de Roland*, the works of Chrétien de Troyes, etc.; phonology and morphology of Old French, with an outline of its development through Vulgar Latin; survey of French literature to the end of the thirteenth century. Prerequisite: a second-group course in French literature; elementary knowledge of Latin. Hours to be arranged.
- †251-52 *Middle French\** (3-3) Doyle  
French literature of the fourteenth and fifteenth centuries. Prerequisite: a second-group course in French literature. Hours to be arranged.

## SPANISH

## FIRST GROUP

- †1-2 *First-Year Spanish* (3-3) Deibert and Staff  
For beginners. Grammar; composition; drill and pronunciation; translation of modern Spanish prose. Section A: Tues.,

\* Of French 249-50, French 251-52, and Spanish 249-50, only one will be given in 1938-39.



Thurs., and Sat., 9.10 A.M.; section B: Mon., Wed., and Fri., 11.10 A.M.; section C: Mon., Wed., and Fri., 11.10 A.M.; section D: Mon., Wed., and Fri., 5.10 P.M.; section E: Mon., Wed., and Fri., 6.10 P.M.; section F: Tues. and Thurs., 6.10 to 7.25 P.M.

Summer Sessions 1938 (3-3)—daily except Sat., 6.10 to 8 P.M., nine weeks' term (Alonso).

†5-6 *Second-Year Spanish* (3-3)

Doyle and Staff

Advanced grammar and composition; translation of modern Spanish prose. Prerequisite: Spanish 1-2 or two years of high-school Spanish. Section A: Tues., Thurs., and Sat., 9.10 A.M.; section B: Mon., Wed., and Fri., 11.10 A.M.; section C: Mon., Wed., and Fri., 5.10 P.M.; section D: Mon., Wed., and Fri., 6.10 P.M.

Summer Sessions 1938 (3-3)—daily except Sat., 6.10 to 8 P.M., nine weeks' term (Corliss).

†7-8 *Elementary Conversation and Composition\** (3-3)

Alonso

Prerequisite: Spanish 1-2 or two years of high-school Spanish; permission of the instructor. Tues. and Thurs., 5.10 to 6.25 P.M.

## SECOND GROUP

†107-8 *Advanced Conversation and Composition\** (3-3)

Prerequisite: Spanish 7-8. (Not offered in 1938-39)

†115-16 *Survey of Spanish Literature* (3-3)

Prerequisite: Spanish 5-6. (Not offered in 1938-39)

†121-22 *Spanish Literature of the Golden Age, Sixteenth and Seventeenth Centuries* (3-3)

Corliss

Cervantes, Lope de Vega, Calderón; the classic drama, fiction, the ballad, lyric poetry. Translation; collateral reading; lectures. (Offered in 1939-40 and alternate years)

†125-26 *Modern Spanish Literature* (3-3)

Corliss

Prose and poetry of the nineteenth and twentieth centuries. Mon., Wed., and Fri., 11.10 A.M. (Offered in 1938-39 and alternate years)

†127-28 *Spanish American Literature* (3-3)

Jones

Tues. and Thurs., 6.10 to 7.25 P.M. (Offered in 1938-39 and alternate years)

129 *Literature of Argentina and Uruguay* (3)

Jones

(Offered in 1939-40 and alternate years)

\* Neither Spanish 7-8 nor 107-8 may be used to complete the curriculum requirements of two years of modern languages, nor may they be counted toward the major requirements.

- 130 *The Modernist Movement in Spanish America* (3) Jones  
(Offered in 1939-40 and alternate years)

## THIRD GROUP

- †225-26 *Seminar in Spanish Literature* (3-3) Jones  
The romantic movement in Spain. Prerequisite: a second-group course in Spanish literature. (Offered in 1939-40 and alternate years)
- †227-28 *Seminar in Spanish American Literature* (3-3) Jones  
Prerequisite: a second-group course in Spanish; Spanish 127-28 is recommended. Tues., 7.45 P.M. (Offered in 1938-39 and alternate years)
- †249-50 *Old Spanish\** (3-3) Doyle  
Literature and philology: *Poema del Cid*, *Libro de Buen Amor*, *Conde Lucanor*, etc.; Menéndez Pidal's *Manual elemental de gramática histórica española* and Ford's *Old Spanish Readings*. Prerequisite: a second-group course in Spanish literature; an elementary knowledge of Latin. Hours to be arranged.

## ROMANCE LANGUAGES

## SPECIAL METHOD COURSE

- 176 *Teaching of Romance Languages* (2) Doyle  
Current methods and materials. Hours to be arranged.

\* Of Spanish 249-50, French 249-50, and French 251-52, only one will be given in 1938-39.

## SOCIOLOGY

Carl Douglas Wells, Ph.D., *Assistant Professor of Sociology, Executive Officer.*

*The major.*—Prerequisite: Sociology 27 and 28. Required: twenty-four semester-hours of second- and third-group courses in Sociology. With special permission, a maximum of six semester-hours of the following closely related courses may be counted toward the major: Economics 141, 142, and 146; History 171-72; Philosophy 132; Psychology 125, 151, and 154; Statistics 102. Additional courses from this list are highly recommended as electives.

### FIRST GROUP

- 27 *Organization of Society* (3) Wells  
The origin and development of culture; man's social nature; types of groups and social institutions; social processes; social change and social control. Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Mon., Wed., and Fri., 5.10 P.M.  
Summer Sessions 1938 (3)—daily except Sat., 7.30 A.M., nine weeks' term.
- 28 *Problems of Society* (3) Wells  
Geographic and population problems; psycho-physical problems; problems of race and nativity, social institutions, and social control. Section A: Mon., Wed., and Fri., 10.10 A.M.; section B: Mon., Wed., and Fri., 5.10 P.M.

### SECOND GROUP

- 120 *Educational Sociology* (3) Wells  
The relation of the school to the community; school culture; social control in the school; sociological principles for the construction of the curriculum. Mon., Wed., and Fri., 11.10 A.M.  
Summer Sessions 1938 (2)—daily except Sat., 9.30 A.M., six weeks' term.
- 126 *Urban Sociology* (3) Wells  
The origin and growth of cities; types of cities; their social structure, composition, functions, and problems; urban personalities and institutions; urbanization and social control; city planning.  
Summer Sessions 1938—daily except Sat., 5.10 P.M., nine weeks' term.



133 *Child-Welfare Problems* (3)

Social aspects of infant and child morbidity and mortality; socializing the child through the home, play group, and school; the physically handicapped child; dependent children; child labor; juvenile delinquency. Tues. and Thurs., 6.10 to 7.25 P.M.

136 *Criminology* (3)

The nature, types, and distribution of crime; causes of criminal behavior; the machinery of justice; types of treatment; recidivism and rehabilitation; crime-prevention programs. Tues. and Thurs., 6.10 to 7.25 P.M.

145 *Social Control* (3)

Wells

History of social control; types and techniques of control; present conflict between control systems; social control and the future of civilization. Mon., Wed., and Fri., 6.10 P.M.

146 *Social Planning* (3)

Wells

Utopian social planning; sociological principles basic to sound social planning; fields of present growth in social planning; social planning and the New Deal. Mon., Wed., and Fri., 6.10 P.M.

175 *The Modern Family* (3)

Wells

Biological and historical backgrounds; role of the family in the development of personality and society; modern problems of celibacy, courtship, marriage relations, economic adjustment, parent-child relations; family disorganization and reorganization. Mon., Wed., and Fri., 11.10 A.M.

## THIRD GROUP

201-2 *Proseminar: Comparative Sociology* (3-3)

Wells

Historical study of the development of social thought. (Offered in 1939-40 and alternate years)

203-4 *Proseminar: Social Research* (3-3)

Wells

The study of literature and of the tools of social research is followed by a group project and by individual research. Thurs., 7.10 P.M.

215-16 *Seminar* (3-3)

Wells

Community studies and original research. (Not offered in 1938-39)

## STATISTICS

Frank Mark Weida, Ph.D., *Professor of Statistics, Executive Officer.*  
*Instructor in Statistics.*

*Minimum requirements for the major.*—Prerequisite: Mathematics 11, 12, 19, and 20; Psychology 1 and 2; an introductory course in one of the Social Sciences, one of the Biological Sciences, or one of the Physical Sciences. Required: an understanding of the underlying mathematical theory employed to characterize, compare, and elucidate quantitative or qualitative measurements which is found in (a) the history of statistics, (b) characterization numbers, (c) correlation, (d) frequency distributions and time series, (e) graphical analysis, and (f) collection and presentation of statistical data; a minimum of twenty-four semester-hours of second-group courses in departments unrelated to Statistics. For further details, see the pamphlet on this subject or consult the adviser.

*Fees.*—For a statement of material fees, see page 63.

### SECOND GROUP

†101-2 *Economic and Sociological Statistics* (3-3) Weida and Staff  
 The use of statistics in economics, business, and sociology; sources of data; collection and assembling of statistics; tabulation; graphical analysis; averages; measures of dispersion; frequency distributions; index numbers; time series; the normal curve; correlation. Prerequisite: at least one entrance unit in Algebra. Lecture—section A: Tues. and Thurs., 11.10 A.M.; section B: Mon. and Wed., 5.10 P.M. Laboratory—section M: Tues. and Thurs., 12.10 to 1 P.M.; section N: Mon., 7.10 to 9 P.M.; section O: Tues., 7.10 to 9 P.M.; section P: Thurs., 7.10 to 9 P.M.

Summer Sessions 1938 (3-3)—daily except Sat., 6.10 to 8 P.M., nine weeks' term (Weida).

103 *Charts and Graphs* (3)  
 Maps and diagrams; classification charts; route and composite charts; bar charts; pictograms; scales; curves; cycles; rate-of-change curves; probability curves; nomograms. Prerequisite: Statistics 101-2. (Offered in 1939-40 and alternate years)

104 *Advanced Economic and Sociological Statistics* (3)  
 An advanced study of correlation analysis and frequency analysis; an advanced study of sources, their uses and limitations; a thorough study of the problems of practical sampling and the methods of analysis. Prerequisite: Statistics 101-2.

Statistics 104x—same as Statistics 104, but offered first semester. Mon., Wed., and Fri., 6.10 P.M.

105 *Actuarial Theory* (3)

The theory and techniques of life annuities, life insurance, group insurance, industrial insurance, accident and health insurance, and fraternal insurance. The course is designed to prepare students for the examinations of the actuarial societies. Prerequisite: Mathematics 20. (Not offered in 1938-39)

106 *Statistical Analysis of Economic Fluctuations* (3)

An advanced study of the methods and problems of analyzing prices and price movements, production, employment, and cost of living; the technique of analyzing business cycles and structural changes in the economy; a survey of the attempt to forecast business changes. Prerequisite: Statistics 101-2; Economics 1-2. Mon., Wed., and Fri., 5.10 P.M. (Offered in 1938-39 and alternate years)

107 *Econometrics* (3)

The mathematical methods used by the classical and modern writers so far as these are applied to the fundamental equations of exchange, production on the part of various types of producers, supply and demand, utility and disutility, and to an elementary study of interest and taxation. Prerequisite: Statistics 101-2; Mathematics 20. (Not offered in 1938-39)

108 *Theory of Investment* (3)

Interest and discount; annuities; amortization and sinking funds; valuation of bonds; depreciation; building and loan associations. Prerequisite: at least one entrance unit in Algebra. Mon., Wed., and Fri., 11.10 A.M.

109 *Elementary Theory of Life Insurance* (3)

Life annuities; net premiums for simple forms of life insurance; valuation of life-insurance policies. Prerequisite: at least one entrance unit in Algebra. (Not offered in 1938-39)

111 *Index Numbers* (3)

Various types of index numbers developed and compared, with emphasis on their meaning and utility; methods of weighting; the reversal and circular tests; speed of calculation and other practical considerations. Prerequisite: Statistics 101-2. Mon., Wed., and Fri., 5.10 P.M. (Offered in 1938-39 and alternate years)

112 *Mechanical Tabulation* (3)

The theory and mechanism of the various sorting and tabulat-



ing machines; code cards and their preparation for particular and extensive types of analysis. Prerequisite: Statistics 101-2. (Offered in 1939-40 and alternate years)

†113-14 *Business and Government Statistics* (3-3)

Sources; leather; petroleum; metals; agriculture; cement; construction; railroads; commodity prices; retail trade; foreign trade; profits; general and regional business activity. Prerequisite: Statistics 101-2. Tues. and Thurs., 6.10 to 7.25 P.M.

†131-32 *Statistics in Psychology and Education* (3-3) Weida and Staff

The use of statistics in psychology and education; sources of data; collection and assembling of statistics; tabulation; graphical analysis; averages; measures of dispersion; frequency distributions; intelligence and achievement quotients; the normal curve; correlation. Prerequisite: at least one entrance unit in Algebra. Lecture—Tues. and Thurs., 6.10 P.M. Laboratory—section N: Tues., 7.10 to 9 P.M.; section O: Thurs., 7.10 to 9 P.M.

133 *Factor Analysis* (2)

The resolution of mental abilities into factors; the two-factor theory; the multiple-factor theory; tetrads and tetrad differences; tetrad correlation and reliability; overlapping variables. Prerequisite: Statistics 131-32. (Offered in 1939-40 and alternate years)

155 *The Method of Least Squares and Theories of Error* (3) Weida

Differences and interpolation; moment coefficients; Sheppard's corrections; the Normal and other error functions; Legendre's principle; likelihood; practical Fourier analysis; confidence intervals; chi-test; graduation. Prerequisite: Mathematics 20. Hours to be arranged. (Offered in 1938-39 and alternate years)

156 *Biometry* (3)

Statistics derived from living things, or things which have at some time been living; the data and laws of human mortality, morbidity, and demography. Prerequisite: Mathematics 20 and a basic course in the field of application. (Not offered in 1938-39)

157 *Intermediate Theoretical Statistics* (3)

Problems and concepts of mathematical statistics; simple sampling; frequency functions of one variable; correlation surface; random-sampling fluctuations; Lexis theory; Gram-Charlier series. Prerequisite: Mathematics 20. (Not offered in 1938-39)

159 *Curve Fitting* (3)

Empirical and graduation formulas; Pearson and other systems of curves; Fourier analysis; Thiele's semi-invariants. Prerequisite: Mathematics 20. (Offered in 1939-40 and alternate years)

160 *Analysis of Variance* (3)

Weida

A simple technique for segregating from comparable groups of data the variation traceable to specific sources; a method to estimate the experimental error freed of that part of the variability the origin of which is known. Prerequisite: Statistics 101-2. Hours to be arranged.

Summer Sessions 1938 (3)—daily except Sat., 5.10 P.M., nine weeks' term.

†161-62 *Proseminar: Theoretical and Applied Statistics* (3-3)

Weida

This course is designed to coordinate the content of the baccalaureate major. Admission by permission of the instructor. Hours to be arranged.

†163-64 *In-Service Seminar* (2-2)

Weida

This seminar is devoted to the study, analysis, and discussion of problems and research of interest and value to groups of individuals who have a common interest. Admission by permission of the instructor. Hours to be arranged.

## THIRD GROUP

†201-2 *Trend Analysis of Statistics* (3-3)

Weierstrass' theorem; fitted polynomials; data sums and averages; factorial moments; orthogonal systems; function parameters; moment-equivalence conditions for function arcs. Prerequisite: Statistics 101-2; Mathematics 20. (Not offered in 1938-39)

†255-56 *Probability* (2-2)

Weida

Scope; classical definition, limit definition; Bayes' theorem; Bernoulli's theorem; expectation; law of large numbers; probabilities in continuum; limit theorems; distribution laws. Admission by permission of the instructor. Tues. and Thurs., 5.10 P.M.

†257-58 *Advanced Theoretical Statistics* (3-3)

Weida

Sampling theory; measures of relation; estimation and statistical inference; confidence intervals; contingency analysis; maximum likelihood; multivariate distribution analysis. Admission by permission of the instructor. Mon., Wed., and Fri., 6.10 P.M.

- †259-60 *Seminar: Theoretical and Applied Statistics* (3-3) Weida  
Reading and research in theoretical and applied statistics. Admission by permission of the instructor. Hours to be arranged.
- 261 *Interpolation* (3)  
Weierstrass' theorems; displacement symbols and differences; interpolation formulas in one and several variables with remainder term and applications; factorial coefficients; Bernoulli and other numbers and polynomials. Admission by permission of the instructor. (Not offered in 1938-39)
- 262 *Numerical Integration and Differentiation* (3)  
Various differentiation and summation formulas; mechanical quadrature; numerical integration of differential equations; numerical solution of integral equations; mechanical cubature. Admission by permission of the instructor. (Not offered in 1938-39)



## SURGERY

- Charles Stanley White, M.D., *Professor of Surgery, Executive Officer.*  
 Daniel LeRay Borden, A.M., M.D., *Associate Professor of Surgery.*  
 Harry Hyland Kerr, M.D.C.M., *Clinical Professor of Surgery.*  
 Paul Stirling Putzki, M.D., *Clinical Professor of Surgery.*  
 Arch Lockhart Riddick, A.B., M.D., *Clinical Professor of Surgery.*  
 William Berry Marbury, M.D., *Clinical Professor of Surgery.*  
 Custis Lee Hall, M.D., *Clinical Professor of Surgery.*  
 John Hugh Lyons, M.S., M.D., *Assistant Professor of Surgery.*  
 Herbert Hermann Schoenfeld, M.D., *Assistant Professor of Surgery.*  
 William Warren Sager, M.S., M.D., *Assistant Professor of Surgery.*  
 Cline N. Chipman, M.D., *Associate in Anesthesia.*  
 Guy Whitman Leadbetter, B.S., M.D., *Associate in Surgery.*  
 Benjamin Franklin Dean, Jr., A.B., M.D., *Associate in Surgery.*  
 Alec Horwitz, M.S., M.D., *Associate in Surgery.*  
 Charles Wilbur Hyde, M.D., *Clinical Instructor in Anesthesia.*  
 Francis George Speidel, M.D., *Clinical Instructor in Anesthesia.*  
 Philip Oscar Pelland, M.D., *Clinical Instructor in Surgery.*  
 Stewart Maxwell Grayson, M.D., *Clinical Instructor in Surgery.*  
 Nathan Norman Smiler, M.D., *Clinical Instructor in Surgery.*  
 Richard Knight Thompson, D.D.S., *Clinical Instructor in Dental Surgery.*  
 Edward Alexander Cafritz, M.D., *Clinical Instructor in Surgery.*  
 Hazen Eugene Cole, B.S., M.D., *Clinical Instructor in Surgery.*  
 Crenshaw Douglas Briggs, B.S., M.D., *Clinical Instructor in Surgery.*  
 William Wiley Chase, A.B., M.D., *Clinical Instructor in Surgery.*  
 Julius Salem Neviaser, A.B., M.D., *Clinical Instructor in Surgery.*  
 James Lloyd Collins, A.B., M.D., *Clinical Instructor in Surgery.*  
 William Ross Morris, M.D., *Clinical Instructor in Surgery.*  
 Arthur James Mourot, B.S., M.D., *Clinical Instructor in Surgery.*

### 126 *Introductory Surgical Clinics*

White and Staff

Obvious and classical cases are presented to the students, whose background of the structure of the body serves to give them an understanding of the cases. Two hours a week.

- 327-28 *General Surgery* Borden  
Course of lectures and recitations covering surgical diseases of the neck and chest, herniae, amputations, and pre- and post-operative treatment. One hour a week for twenty-eight weeks.
- 329 *Anesthesia (elective)* Chipman  
Theoretical and practical instruction is given in the use of general and local anesthetic agents. One hour a week for nine weeks.
- 331-32 *Dispensary Clinic* The Staff  
Dispensary instruction in the principles and practice of Surgery. Instruction of small groups is given in General Surgery and the specialties, including anesthesia, neurosurgery, orthopedics, proctology, and oral surgery. University Hospital, one section, two and one-half hours daily; Emergency Hospital, one section, one and one-half hours daily; Children's Hospital, one section, one and three-fourths hours a week.
- 333-34 *General Surgery* White, Putzki, Riddick  
Course of lectures and recitations covering Surgery as applied to the neck, thorax, gastro-intestinal tract, and the bones and skeletal muscles. One hour a week.
- 339-40 *Fractures and Dislocations* Leadbetter  
One hour a week for twenty-three weeks.
- 345-46 *Surgical Technique* Marbury  
This course comprises a series of demonstrations of surgical instruments and appliances, with a practical demonstration of their uses. The preparation of the patient, the operating room, the materials commonly used, and the duties of each member of an operating team are carefully presented, with the detailed consideration of minor operations and the post-operative management and complications. As far as possible, the lectures will be supplemented by clinical application. One hour a week for twenty weeks.
- 414 *Surgical Pathological Conference (elective)* Briggs and Staff  
Students who elect this conference will be presented with selected surgical cases. After clinical discussion of the cases, the pathological material, both gross and microscopic, will be shown. One hour a week.
- 416 *Orthopedics (elective)* Hall  
The course includes the etiology, pathology, symptomatology, and treatment of congenital and acquired diseases of the bones and joints, and the clinical instruction in treatment and in the

use of appliances for the correction of deformities. One hour a week for sixteen weeks.

- 417-18 *Private Practice of Surgery (elective)* White and Staff  
Students who elect this course will be given instruction in the private offices of various members of the staff, where they may observe the private practice of surgery.

- 419-20 *General Surgery* White  
One hour a week.

- 421-22 *Surgical Clinic* White and Staff  
Demonstration to the entire class of the various surgical diseases, with stress upon the differential diagnosis and pre- and post-operative care. University Hospital, two hours a week for thirty-two weeks; Gallinger Hospital, four sections, one and one-half hours twice a week for sixteen weeks and one hour a week for sixteen weeks; Emergency Hospital, one hour three times a week; University Hospital, one hour three times a week.

- 423-24 *Ward Walks* The Staff  
Well-organized group ward-rounds are made with the visiting physicians and their respective staffs in the course of their usual rounds. Emergency Hospital, one hour three times a week; University Hospital, one hour three times a week.

- 425-26 *Clinical Clerkship* The Staff  
The students are assigned and required to work up thoroughly the cases for diagnosis and treatment. Gallinger Hospital, two and one-half hours three times a week; Emergency Hospital, two sections, two hours three times a week; University Hospital, two sections, two hours three times a week; St. Elizabeths Hospital, one fourth of the class, two hours a week.

- 439-40 *Special Problems in Surgery (elective)* The Staff  
This course is devoted to general surgical diagnosis, with special emphasis on the diagnosis and differential diagnosis of surgical diseases and post-operative complications. One hour a week.



## UROLOGY

Francis Randall Hagner, M.D., *Professor of Urology, Executive Officer.*  
 Frederick August Reuter, M.D., *Clinical Professor of Urology.*  
 Homer Gifford Fuller, Ph.B., M.D., *Clinical Professor of Urology.*  
 Thomas Carlton Thompson, B.S., M.D., *Associate Professor of Urology.*  
 Alan Jeffries Chenery, M.D., *Associate in Urology.*  
 Charles Perry Howze, M.D., *Associate in Urology.*  
 Gilbert Ottenberg, A.M., M.D., *Clinical Instructor in Urology.*  
 William Glenn Young, M.D., *Clinical Instructor in Urology.*

- 381-82 *Clinics* Reuter and Staff  
 Clinical demonstration and teaching in the dispensary, with special attention given to venereal cases. Emergency and University Hospitals, one part of each section daily.
- 471-72 *Urology* Thompson  
 A systematic course of lectures covering the entire field of urology, including diagnosis, treatment, and morbid pathology. One hour a week.
- 473-74 *Clinics* Hagner, Fuller, Chenery, Thompson, Howze  
 Clinical teaching and demonstrations on the care of urological cases, with special emphasis on the pre- and post-operative management. Gallinger Hospital, one hour a week for twenty-eight weeks. Operative clinics and clinical teaching, including cystoscopy and the use of instruments. Garfield Hospital and Children's Hospital, one eighth of the class, one and one-half hours a week.
- 476 *Urology Seminar (elective)* Reuter  
 Special problems, technique, and instrumentation in genito-urinary diseases. One hour a week.

## ZOOLOGY\*

Paul Bartsch, Ph.D., Sc.D., *Professor of Zoology.*

Donnell Brooks Young, Ph.D., *Professor of Zoology, Executive Officer.*

Ira Bowers Hansen, Ph.D., *Associate Professor of Zoology.*

Edith Elizabeth Mortensen, A.M., *Instructor in Zoology.*

Edward Albert Chapin, Ph.D., *Research Associate in Zoology.*

*Minimum requirements for the major.*—Prerequisite: Zoology 1-2. Required: twenty-two semester-hours of approved biological subjects. Premedical students are required to take Zoology 1-2.

*Fees.*—For a statement of laboratory fees, see page 63.

### FIRST GROUP

#### †1-2 *Introduction to Zoology* (4-4) Young

An introduction to the study of the structure, functions, and relation of animals and of the fundamental biological principles involved. Section A: Tues. and Thurs., 9.10 A.M.; section B: Mon. and Fri., 6.10 P.M. Laboratory—section M: Tues. and Thurs., 11.10 A.M. to 1 P.M.; section N: Tues. and Thurs., 1.40 to 3.30 P.M.; section O: Tues. and Thurs., 3.40 to 5.30 P.M.; section P: Mon. and Wed., 8 to 10 P.M.

Summer Sessions 1938 (3-3)—daily except Sat., 5.10 to 6 and 6.10 to 9 P.M., nine weeks' term (Young).

#### 5 *Field Zoology* (3) Bartsch

An introduction to the animal life of the region.

Summer Sessions 1938—daily except Sat., 7 to 8.50 A.M., and Sat. afternoon, 1 to 6 P.M., six weeks' term.

#### 54 *Mammalian Anatomy* (3) Young

Prerequisite: Zoology 1-2.

Summer Sessions 1938—daily except Sat., 6.10 to 7 and 7.10 to 9 P.M., six weeks' term.

### SECOND GROUP

#### †101-2 *Invertebrate Zoology* (3-3) Mortensen

A systematic study of invertebrate forms, including the study of morphology, classification, life histories, and phylogenetic relationships. Prerequisite: Zoology 1-2. Mon. and Fri., 1.40 to 4.30 P.M.

\* See also the Departments of Biology and Botany, pages 214-15 and 216-18.

- 133-34 *Ornithology* (3-3) Bartsch  
The birds of eastern North America. Fri., 6.10 P.M. Laboratory—hours to be arranged.
- 135 *Field Ornithology* (3) Bartsch  
Field study of birds, with emphasis on the breeding habits.  
Summer Sessions 1938—June 1 to July 4—daily, 7 to 8.50 A.M.;  
trip to the rookeries of the middle Atlantic Coast, July 1 to 4.
- 137 *Histology* (3) Bartsch  
An introduction to the microscopical anatomy of normal tissues  
and organs. Prerequisite: Zoology 1-2. Fri., 5.10 P.M. Laboratory—Mon. and Wed., 5.10 to 7 P.M.
- 141-42 *Comparative Vertebrate Anatomy* (3-3) Hansen  
Lectures on the organ systems of the vertebrates, stressing  
comparisons, apparent relationships, and modifications; labora-  
tory dissections of types. Prerequisite: Zoology 1-2. Section A:  
Fri., 9.10 A.M.; section B: Fri., 6.10 P.M. Laboratory—section M:  
Wed. and Fri., 1.40 to 3.30 P.M.; section N: Mon. and Wed.,  
6.10 to 8 P.M.  
Zoology 142x, *Mammalian Anatomy*—same as Zoology 142,  
but offered first semester. Lectures and laboratory based on  
mammalian anatomy, using the cat as a type. Prerequisite:  
Zoology 1-2. Tues. and Thurs., 9.10 to 11 A.M., and Sat.,  
9.10 A.M.
- 144 *Introduction to Vertebrate Embryology* (3) Hansen  
Lectures and laboratory work on the origin and early develop-  
ment of the individual and on the formation of organ systems.  
Emphasis is placed on the frog, chick, and pig, with reference to  
the human embryo. Prerequisite: Zoology 1-2 and 141. Sec-  
tion A: Wed., 9.10 A.M.; section B: Wed., 5.10 P.M. Labora-  
tory—section M: Tues. and Thurs., 1.40 to 3.30 P.M.; section  
N: Mon. and Wed., 6.10 to 8 P.M.
- 145 *Comparative Embryology* (2) Hansen  
Lectures and class reports on experimental work in problems  
of fertilization, cleavage, localization of organ-forming areas,  
the influence of parts on each other, and the general control of  
development in various groups of animals. Prerequisite:  
Zoology 144. Mon. and Wed., 5.10 P.M.
- 156 *Parasitology* (3) Bartsch  
An introduction to the study of animal parasitology, with a  
survey of parasitic types from protozoa through arthropods.  
Prerequisite: Zoology 1-2. Mon. and Wed., 5.10 to 7 P.M.,  
and Fri., 5.10 P.M.



- 171-72 *Special Problems* (3-3) The Staff  
Written approval of the instructor is required. Hours to be arranged.

## THIRD GROUP

- 201-2 *Proseminar in Zoology* (3-3) The Staff  
Thurs., 7.10 to 9 P.M.
- 203-4 *Proseminar in Invertebrate Zoology* (3-3) Young  
Mon., 7.10 to 9 P.M.
- 207 *Zoological Nomenclature* (2) Bartsch  
Tues. and Thurs., 5.10 P.M.
- †241-42 *Protozoa* (3-3) Young  
An introduction to the protozoa: classification, life histories, and physiology, with special emphasis on free-living types. Hours to be arranged.
- 251-52 *Seminar* (3-3) The Staff  
Tues., 7.10 to 9 P.M.
- 253-54 *Research* The Staff  
Investigation of special problems. Hours and credits to be arranged.  
Summer Sessions 1938—Zoology 253 (3), hours to be arranged, nine weeks' term.

## SPECIAL METHOD COURSE

Biology 172, *Teaching of Science*.



UNIVERSITY ORGANIZATIONS





## ALUMNI AND ALLIED ASSOCIATIONS

### THE GENERAL ALUMNI ASSOCIATION

The objects of this Association are to unite the graduates in closer sympathy and to promote the general welfare of the University. The following persons are eligible for *active* membership: graduates of any College, School, or Division of the University; holders of honorary degrees from the University; and members of the Board of Trustees and of the Faculty of the University. Any person who has matriculated, who has been in regular attendance for one year, and who has left the University in good standing, is eligible for *associate* membership. The annual meeting is held during Commencement Week.

The office of the Executive Secretary of the Association is located on the first floor of Columbian House of the University. Alumni are urged to keep the Secretary informed of changes of address or occupation and to supply information with regard to their fellow alumni.

1937-38

*President*.—Hugh H. Clegg, LL.B. 1926 (A.B. 1920, Millsaps College); Apt. 506, 1301 Massachusetts Avenue, Washington, D. C.

*Vice Presidents:*

Malcolm Graeme Gibbs, Phar.D. 1902; 77 P Street, Washington, D. C.

Walton C. John, A.B. and B.Dip. in Ed. 1914, A.M. and M.Dip. in Ed. 1915, Ph.D. 1918, D.Dip. in Ed. 1918 (A.B. 1904, Keener Institute, Mexico City, Mexico); Office of Education, Department of the Interior, Washington, D. C.

Ida M. Lind, A.B. and B.Dip. in Ed. 1924 (A.M., Columbia University); Franklin Administration Building, Washington, D. C.

Ralph L. Morrison, D.D.S. 1919; 1028 Connecticut Avenue, Washington, D. C.

William F. Roeser, B.S. in E.E. 1925, A.M. 1929; 604 Rolling Road, Chevy Chase, Md.

Robert P. Smith, LL.B. 1924; 816 15th Street, Washington, D. C.

William R. Thomas, M.D. 1925; 1830 K Street, Washington, D. C.

Frank H. Weitzel, A.B. 1931, LL.B. 1935; 2914 Tennyson Street, Washington, D. C.

*Treasurer*.—Maude I. O'Flaherty, A.B. 1929; 4114 New Hampshire Avenue, Washington, D. C.

*Assistant Treasurer.*—Martha Buchanan Gartrell (Mrs. Everett A. Gartrell), A.B. 1934; 5000 New Hampshire Avenue, Washington, D. C.

*Executive Secretary.*—Lester Allan Smith, A.B. in L.S. 1932, A.M. in L.S. 1935; 2138 O Street, Washington, D. C.

*Executive Committee:*

Charles Silas Baker, LL.B. 1914 (A.B. 1911, Cornell University; A.M. 1912, Columbia University); Munsey Building, Washington, D. C.

Daniel LeRay Borden, M.D. 1912, B.S. in Med. 1916, A.M. 1917; 1835 I Street, Washington, D. C.

Jeter Carroll Bradley, M.D. 1915; Farragut Medical Building, Washington, D. C.

Francis W. Brown, A.B. 1924, LL.B. 1926, LL.M. 1927; 3416 Morrison Street, Washington, D. C.

Lucille C. Brunner, Nurses Diploma 1929; 2510 Q Street, Washington, D. C.

H. Velpeau Darling, B.S. in C.E. 1933; 1725 Queens Lane, Colonial Village, Arlington, Va.

Lyman H. Dishman, LL.B. 1925, A.B. 1931 (B.C.S. 1922, Washington School of Accountancy); Interstate Commerce Commission, Washington, D. C.

Jessie Fant Evans (Mrs. Joshua Evans, Jr.), A.B. and T.D. 1913; Ed.D. 1932; 3405 Lowell Street, Washington, D. C.

Harriet E. Garrels, A.B. and B.Dip. in Ed. 1925, A.M. 1934; 1629 Columbia Road, Washington, D. C.

Robert Howe Harmon, M.D. 1929 (A.B. 1915, Millsaps College); 3133 Connecticut Avenue, Washington, D. C.

Grace B. Holmes, M.S. 1922, Ph.D. 1925 (B.S. 1919, University of Maryland); 245 Maple Avenue, Takoma Park, Md.

Frank Adelbert Hornaday, B.S. 1907, M.D. 1910, M.S. 1920; Mayflower Hotel, Washington, D. C.

E. Hilton Jackson, A.B. 1891, LL.B. 1892, LL.M. 1893, A.M. 1894; D.C.L. 1900; Woodward Building, Washington, D. C.

Sarah A. Jones, A.B. in L.S. 1931, A.M. in L.S. 1935; 1460 Irving Street, Washington, D. C.

James Robert Kirkland, A.B. 1927, LL.B. 1928, LL.M. 1929 (B.C.S. 1931, Benjamin Franklin University); Colorado Building, Washington, D. C.

David L. Maxwell, Phar.D. 1913; 4700 Linnean Avenue, Washington, D. C.

Edwin A. Schmitt, B.S. in C.E. 1934; 6400 Ridgewood Avenue, Chevy Chase, Md.



- Paul E. Shorb, LL.B. 1920 (A.B. 1917, University of North Dakota); 701 Union Trust Building, Washington, D. C.
- Ermyntrude V. Stearns (Mrs. Robert M. Stearns), A.B. 1927, A.M. 1931; 1424 Iris Street, Washington, D. C.
- Irving A. Tennyson, Phar.D. 1913; 2816 38th Street, Washington, D. C.
- Richard Knight Thompson, D.D.S. 1915; 1835 I Street, Washington, D. C.
- Thomas Carlton Thompson, M.D. 1920, B.S. in Med. 1920; 2032 16th Street, Washington, D. C.
- Quentin D. Watson, A.B. 1934; 435 North Monroe Street, Arlington, Va.
- Ernest L. Wilkinson, LL.B. 1926 (A.B. 1921, Brigham Young University; S.J.D. 1927, Harvard University); Earle Building, Washington, D. C.

#### THE GEORGE WASHINGTON LAW ASSOCIATION

The George Washington Law Association is the organization of graduates of the University Law School. Its purposes, as stated in the constitution, are to promote high standards of legal education; to keep the alumni of the Law School in closer touch with one another and especially with members of their own classes; to gather and publish at intervals information as to the whereabouts and activities of these alumni; and to further the interests of the Law School.

1937-38

- President.*—E. Hilton Jackson, A.B. 1891, LL.B. 1892, LL.M. 1893, A.M. 1894, D.C.L. 1900; Woodward Building, Washington, D. C.
- Vice Presidents:*
- Walter Collins Clephane, LL.B. 1889, LL.M. 1890, LL.D. 1932; 843 Investment Building, Washington, D. C.
- Harryman Dorsey, A.B. 1929, LL.B. 1931; 910 17th Street, Washington, D. C.
- August H. Moran, LL.B. 1925; 426 Woodward Building, Washington, D. C.
- Secretary-Treasurer.*—C. Oscar Berry, LL.B. 1932, A.B. 1933; 411 10th Street, Washington, D. C.
- Executive Committee:*
- Mary A. Brown, A.B. 1924, LL.B. 1932; 4606 15th Street, Washington, D. C.
- Paul F. Hannah, LL.B. 1933 (B.S. 1927, Dartmouth College); 2022 Columbia Road, Washington, D. C.

Dwight D. Taylor, LL.B. 1931 (B.S. 1934, American University; LL.M. 1932, Georgetown University); Union Trust Building, Washington, D. C.

#### THE GEORGE WASHINGTON UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905 by alumni of the School of Medicine. Its purposes are to cultivate friendly relations between the alumni and members of the Faculty by means of social gatherings; to advance medical science; and to further the interests of the University in general.

1937-38

*President.*—Thomas Carlton Thompson, M.D. 1920, B.S. in Med. 1920; 2032 16th Street, Washington, D. C.

*Vice President.*—Joseph B. Bogan, M.D. 1907; 1320 Ingraham Street, Washington, D. C.

*Secretary.*—Harry Filmore Dowling, M.D. 1931 (A.B. 1927, Franklin and Marshall College); 2111 Bancroft Place, Washington, D. C.

*Treasurer.*—Beveridge Miller, A.B. 1927, M.D. 1931; 1028 Connecticut Avenue, Washington, D. C.

#### THE LIBRARY SCIENCE ALUMNI ASSOCIATION

This Association was organized in 1932 by alumni of the Division of Library Science. Its purposes are to foster a closer relationship between the Faculty and graduates of the Division and to further the interests of the Division of Library Science and of the University in general.

1937-38

*President.*—Sarah A. Jones, A.B. in L.S. 1931, A.M. in L.S. 1935; 1460 Irving Street, Washington, D. C.

*Vice President.*—Patricia C. Hunt, A.B. in L.S. 1934, A.M. in L.S. 1935; 1605 O Street, Washington, D. C.

*Secretary.*—M. Fern Hyatt, A.B. 1925, A.B. in L.S. 1936; 3801 Calvert Street, Washington, D. C.

*Assistant Secretary.*—Leila Fern, A.B. in L.S. 1936; 3309 Russell Road, Alexandria, Va.

*Treasurer.*—Clara K. Egli, A.B. in L.S. 1930, A.M. in L.S. 1936; 1603 K Street, Washington, D. C.

*Historian.*—Frances M. Hall, A.B. in L.S. 1932; Apt. 505, 724 3d Street, Washington, D. C.

THE ENGINEER ALUMNI ASSOCIATION OF THE GEORGE  
WASHINGTON UNIVERSITY

The Engineer Alumni Association was organized in 1936 to unite the graduates and Faculty of the School of Engineering in closer fellowship; to promote the general welfare of the School of Engineering and of the University at large; to foster activities of the engineering organizations recognized by the University; and to advance the profession of engineering in general.

1937-38

*President.*—Edwin A. Schmitt, B.S. in C.E. 1934; 6400 Ridgewood Avenue, Chevy Chase, Md.

*Vice President.*—Otis L. Turner, B.S. in M.E. 1932; West Falls Church, Va.

*Secretary-Treasurer.*—James F. Fox, B.S. in M.E. 1929; 401 23d Street, Washington, D. C.

*Corresponding Secretary.*—Thomas Alvin O'Halloran, B.S. in E.E. 1935; 924 North Irving Street, Arlington, Va.

*Executive Committee:*

Benjamin Carpenter Cruickshanks, B.S. in M.E. 1920; 5733 4th Street, Washington, D. C.

H. Velpeau Darling, B.S. in C.E. 1933; 1725 Queens Lane, Colonial Village, Arlington, Va.

William J. Ellenberger, B.S. in E.E. 1930, B.S. in M.E. 1934; 1359 Parkwood Place, Washington, D. C.

THE GEORGE WASHINGTON UNIVERSITY NURSES ASSOCIATION

The George Washington University Nurses Association was organized in 1914. In 1936 this organization was made an integral part of the General Alumni Association, and graduates of the School of Nursing were accorded associate membership. The objects of the Association are to hold in unison the graduates of the George Washington University Hospital School for Nurses; to care for its sick members; and to promote the advance of nursing in the interest of the George Washington University Hospital.

1937-38

*President.*—Lucille C. Brunner, Nurses Diploma 1929; 2510 Q Street, Washington, D. C.

*First Vice President.*—Louva N. Baker (Mrs. Milton R. Baker), Nurses Diploma 1919; 1361 Iris Street, Washington, D. C.

*Second Vice President.*—Grace Bell, Nurses Diploma 1931; John Paul Jones Apartments, 1717 G Street, Washington, D. C.



*Secretary.*—Elizabeth Hudspeth (Mrs. D. B. Hudspeth), Nurses Diploma 1932; 2400 13th Street, Washington, D. C.

*Treasurer.*—Loretta C. Parsons, Nurses Diploma 1931; 1301 Massachusetts Avenue, Washington, D. C.

#### REGIONAL ASSOCIATIONS

1937-38

##### THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF ARKANSAS

*President.*—Julius A. Tellier, LL.B. 1905 (A.B. 1902, University of Vermont and State Agricultural College); 727 Southern Building, Little Rock, Ark.

*Vice President.*—Walter L. Brown, LL.B. 1920; Courthouse, El Dorado, Ark.

*Secretary-Treasurer.*—H. Howard Cockrill, LL.B. 1933 (B.S. 1931, University of Virginia); 825 Pyramid Building, Little Rock, Ark.

##### THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF BALTIMORE

*President.*—Judge Harvey C. Bickel, LL.B. 1914; 310 Southway, Guilford, Baltimore, Md.

*Secretary.*—Marie O'Dea, A.B. 1923, M.S. in Chem. 1923; 230 South Monastery Avenue, Baltimore, Md.

*Treasurer.*—Archibald L. Russell, A.B. 1928; Windsor Court Apartments, Baltimore, Md.

*Publicity Director.*—John T. Madigan, A.B. 1935; Transradio Press Service, 7 St. Paul Street, Baltimore, Md.

##### THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF CHICAGO

*President.*—Paul G. Dallwig, LL.B. 1910; 1 La Salle Street, Chicago, Ill.

*Vice President.*—Elbert H. Loyd, LL.B. 1904 (A.B. 1899, Colgate University); 7322 Coles Avenue, Chicago, Ill.

*Secretary.*—Charles V. Laughlin, LL.B. 1929, A.B. 1930; 5498 Cornell Street, Chicago, Ill.

##### THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF CINCINNATI

*President.*—Rev. Dr. David R. Covell, A.B. 1910, A.M. 1914, L.H.D. 1935 (B.D. 1916, General Theological Seminary); 2500 Salem Avenue, Cincinnati, Ohio.

*Secretary.*—Charles N. Moore, M.S. 1905, Sc.D. 1932 (A.B. 1903, University of Cincinnati; Ph.D. 1908, Harvard University); University of Cincinnati, Cincinnati, Ohio.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF CLEVELAND

*President.*—Frank S. Whitcomb, LL.B. 1903; 1857 Union Trust Building, Cleveland, Ohio.

*Vice President.*—George B. Pitts, M.P.L. 1905 (LL.B. 1904, Georgetown University); 1918 Parkway Drive, Cleveland, Ohio.

*Secretary-Treasurer.*—Lillian C. Belden, LL.B. 1924 (Ph.B. 1913, Hiram College); 1531 Standard Bank Building, Cleveland, Ohio.

*Executive Committee:*

Edward J. Brunenkant, LL.B. 1921; 1520 Guarantee Title Building, Cleveland, Ohio.

William J. Wesseler, LL.M. 1905, M.P.L. 1907 (A.B. 1900, Washington University; LL.B. 1902, St. Louis Law School); c/o Saywell & Wesseler, 928 Leader Building, Cleveland, Ohio.

J. Homer Winkler, B.S. in Chem.E. 1925; 1173 Erieview Road, Cleveland, Ohio.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF DALLAS

*President.*—Harold M. Young, A.B. 1926; 602 Chamber of Commerce Building, Dallas, Tex.

*Vice President.*—George E. Hughes, LL.B. 1922; Cotton Exchange Building, Dallas, Tex.

*Secretary-Treasurer.*—Christine L. Landers, Ex-1929; 4033 Hanover Street, Dallas, Tex.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF DENVER

*President.*—Leslie E. Bratton, LL.B. 1915 (Graduate 1907, U. S. Naval Academy), Commander, U. S. N. (retired); Capitol Life Insurance Company, Denver, Colo.

*Secretary-Treasurer.*—Ronald A. Silver, A.B. 1925; 931 14th Street, Denver, Colo.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF DETROIT

*President.*—Franklin C. Knock, LL.B. 1922; 1943 Union Guardian Building, Detroit, Mich.

*Vice President.*—Robert C. Wilson, LL.B. 1927; 1253 Cavalry Street, Detroit, Mich.

*Secretary-Treasurer.*—Louis M. Hopping, A.B. 1924, LL.B. 1927; 11996 Indiana Avenue, Detroit, Mich.

*Corresponding Secretary.*—Laurette McKendree, A.B. 1921; 246 Madison Street, Detroit, Mich.

*Publicity Agent.*—Karl B. Lutz, LL.B. 1924, M.P.L. 1925 (A.B. 1920, Bethany College, West Virginia); 647 Madison Avenue, Birmingham, Mich.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF  
KANSAS CITY

*President.*—Edward L. Scheufler, A.B. 1922, LL.B. 1924; 1503 Commerce Building, Kansas City, Mo.

*Vice President.*—Joseph A. Horigan, Phar.D. 1885, M.D. 1888; 5 East 54th Terrace, Kansas City, Mo.

*Secretary.*—Conger R. Smith, LL.B. 1911; Temple Building, 904 Grand Avenue, Kansas City, Mo.

*Treasurer.*—Albert F. Hillix, LL.B. 1924 (A.B. 1920, University of Missouri); 1007 Bryant Building, Kansas City, Mo.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF  
LOS ANGELES

*President.*—Kenneth C. Wiseman, LL.B. 1922; 723 Rowan Building, Los Angeles, Calif.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF  
MILWAUKEE

*President.*—Eleänore Cushing, M.D. 1916; Apt. 210, Hotel Astor, Milwaukee, Wis.

*Vice President.*—Morris L. Stern, LL.B. 1906; Century Building, Milwaukee, Wis.

*Secretary.*—Arnold C. Otto, A.B. 1911, LL.B. 1913 (A.B. 1911, Lawrence College); 1914 North Prospect Avenue, Milwaukee, Wis.

*Treasurer.*—William C. Lyon, LL.B. 1922, LL.M. 1923; 2636 North 66th Street, Wauwatosa, Wis.

*Directors:*

Herbert W. Cornell, LL.B. 1919 (A.B. 1908, University of Colorado); Civil Service Commission, Milwaukee, Wis.

Dorothy S. Guiterman (Mrs. Edwin H. Guiterman), A.B. 1921 (Ed.B. 1933, Milwaukee State Teachers College); 4024 North Stowell Avenue, Milwaukee, Wis.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF NEBRASKA

*President.*—Olaf W. Osnes, LL.B. 1922; 400 Brandeis Theatre Building, Omaha, Nebr.

*Vice President.*—Mary H. Mackey (Mrs. M. L. Mackey), A.B. and B.Dip. in Ed. 1920; 2314 North 48th Street, Omaha, Nebr.

*Secretary-Treasurer.*—Howard Kennedy III, LL.B. 1935; First National Bank Building, Omaha, Nebr.



THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF NEW YORK

*President.*—Fritz von Briesen, LL.M. 1901, D.C.L. 1902 (A.B. 1895, Harvard University; LL.B. 1897, New York University); c/o Briesen & Schrenk, 49 Wall Street, New York, N. Y.

*Vice President.*—Wallace D. McLean, LL.B. 1898 (A.B. 1896, Princeton University); 33 West 42d Street, New York, N. Y.

*Treasurer.*—Ralph H. Riddleberger, LL.B. 1897, LL.M. 1898; 56 East 42d Street, New York, N. Y.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF  
OKLAHOMA CITY

*President.*—Angelo C. Scott, LL.B. 1885, LL.M. 1885 (A.B. 1877, A.M. 1880, University of Kansas; Litt.D. 1916, College of Emporia); 310 Northwest 16th Street, Oklahoma City, Okla.

*Secretary.*—Harry B. Gilstrap, Jr., A.B. 1925; 2008 Northwest 20th Street, Oklahoma City, Okla.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF  
PHILADELPHIA

*President.*—William E. Zimmerman, A.B. 1922; Lazy Creek Farm, Lansdale, Pa.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF THE  
PHILIPPINE ISLANDS

*President.*—Professor Lino J. Castillejo, A.B. and B.Dip. in Ed. 1919, A.M. 1920; P. O. Box 425, Manila, P. I.

*Secretary-Treasurer.*—Paterno C. Villanueva, A.B. 1925, A.M. 1927; University of the Philippines, Manila, P. I.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF  
PUERTO RICO

*Honorary President.*—William Thornwall Davis, M.D. 1901 (Graduate 1902, U. S. Army Medical School); 927 Farragut Square, Washington, D. C.

*President.*—Ramón C. Ruiz-Nazario, M.D. 1918; San Juan, P. R.

*Vice President.*—Rafael Rivera-Aulet, M.D. 1916; Hospital Avenue, Arecibo, P. R.

*Secretary.*—Wilson P. Colberg, LL.M. 1927 (LL.B. 1926, University of Puerto Rico); Rio Piedras, P. R.

*Treasurer.*—Ricardo F. Fernández, M.D. 1931; P. O. Box 673, San Juan, P. R.

*Permanent Delegate at Washington.*—Tomás Cajigas, M.D. 1918, B.S. in Med. 1919, M.S. 1921; 1801 I Street, Washington, D. C.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF RICHMOND

*President.*—John A. Rollings, M.D. 1912; 407 West Grace Street, Richmond, Va.

*Vice President.*—Eleanor M. Lanigan (Mrs. Arthur Loyola Lanigan), A.B. 1925; 4534 West Seminary Avenue, Richmond, Va.

*Secretary.*—John K. Hyde, A.B. 1929; 1319 Nottoway Avenue, Richmond, Va.

*Publicity Chairman.*—Howard M. Baggett, A.B. 1927; Box 425, Richmond, Va.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF ST. LOUIS

*President.*—Rev. Dr. Karl M. Block, A.B. 1906 (B.D. 1910, Virginia Theological Seminary and College; D.D. Roanoke College); 6340 Ellenwood Avenue, St. Louis, Mo.

*Secretary.*—Phineas H. Lamphere, LL.B. 1931 (B.S. in E.E. 1927, University of Idaho); 208 North Broadway, St. Louis, Mo.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF  
SAN FRANCISCO

*President.*—William S. Graham, M.P.L. 1908 (LL.B. 1906, LL.M., 1907, National University); 57 Post Street, San Francisco, Calif.

*Secretary.*—William H. Atkinson, Ex-1926; 582 Market Street, San Francisco, Calif.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF TOLEDO

*President.*—LaDow Johnston, LL.B. 1929 (A.B. 1925, University of Kansas); 1031 Edison Building, Toledo, Ohio.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF TULSA

*President.*—Theodore Rinehart, LL.B. 1932; 515-17 Kennedy Building, Tulsa, Okla.

*Vice President.*—Joseph A. Gill, Jr., LL.B. 1925; 629 Kennedy Building, Tulsa, Okla.

*Secretary.*—Lela H. Wood (Mrs. Robert H. Wood), Ex-1910; 217 East 24th Street, Tulsa, Okla.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF UTAH

*President.*—William F. Beer, M.D. 1892; 181 B Street, Salt Lake City, Utah.

*Vice President.*—John Jensen, LL.B. 1909 (A.B. 1906, University of Utah); 920 Continental Bank Building, Salt Lake City, Utah.

GOVERNMENT CLUBS

THE GEORGE WASHINGTON UNIVERSITY INTERIOR CLUB

*President.*—Samuel J. Flickinger, LL.B. 1918 (LL.M. 1919, M.P.L. 1919, Georgetown University; D.C.L. 1922, American University); 4611 43d Street, Washington, D. C.

*Vice President.*—James F. Abel, Ph.D. 1930 (A.B. 1901, University of Nevada; A.M. 1918, Stanford University); 2025 H Street, Washington, D. C.

*Secretary.*—Regina M. Schmidt, B.S. in H.E. 1933; 4919 Brandywine Street, Washington, D. C.

THE GEORGE WASHINGTON UNIVERSITY JUSTICE CLUB

*President.*—Howard P. Locke, LL.B. 1927 (B.C.S. 1923, Washington College of Accountancy); 3726 Van Ness Street, Washington, D. C.

*Vice President.*—Paris T. Houston, LL.B. 1935 (A.B. 1930, Lincoln Memorial University); 815 North Fillmore Street, Arlington, Va.

*Secretary.*—Joseph A. Connors, Jr., LL.B. 1937; 37 Q Street, Washington, D. C.

THE GRADUATE ENDOWMENT FUND

The Graduate Endowment Fund was founded by the classes of 1926 with the object of providing endowment to be used for the development of the University. Membership is limited to seniors and graduates who sign a pledge of \$100, payable annually in ten equal installments.

The pledge notes and funds are held in trust. When the principal reaches the sum of \$100,000, the Board of Administrators of the Fund may pay to the University such sums as it may vote for erection of buildings, acquisition of sites, maintenance, and purchase of equipment. At no time may money be drawn so as to leave a balance of less than \$50,000 on deposit.

On request, the Alumni Secretary of the University will furnish pledge blanks to alumni.

BOARD OF ADMINISTRATORS \*

*Chairman.*—Walter L. Rhinehart, A.B. 1935; c/o National Training School for Boys, Bladensburg Road, Washington, D. C.

*Executive Secretary.*—Lester Allan Smith, A.B. in L.S. 1932, A.M. in L.S. 1935; The University.

THE COLUMBIAN WOMEN

The objects of this organization are (1) the promotion of acquaintance among its members; (2) the advancement of women by the founding

\* Elected by the subscribers.



of scholarships in the various departments of the University, and by every other possible means; and (3) the promotion of the interests of the University in every way.

#### MEMBERSHIP

1. The following persons shall be eligible for active membership: (a) any woman who for one year has been a regularly registered student in The George Washington University, provided that she shall have received credit for thirty hours of work; (b) any woman member of the Faculties, Council, or Board of Trustees; any woman on the administrative staff; the wife or recognized head of the household of any member of the Faculties, Council, Board of Trustees, or of the administrative staff; (c) any woman recipient of an honorary degree from the University.

2. The following persons shall be eligible for associate membership: (a) any graduate woman student upon her registration in the University; (b) the wife of any graduate man student upon the registration of the latter in the University.

Associate members shall have all privileges and obligations of membership except those of voting and holding office.

1937-38

*President.*—Mrs. Cloyd Heck Marvin (A.B. 1915, University of Southern California); 2439 Tracy Place, Washington, D. C.

#### *Vice Presidents:*

Margaret R. Pepper, A.B. and B.Dip. in Ed. 1926, A.M. 1931; 1734 P Street, Washington, D. C.

Mrs. Joseph W. Cox; 1850 Monroe Street, Washington, D. C.

*Recording Secretary.*—Mrs. Edgar W. Woolard; 1232 30th Street, Washington, D. C.

*Corresponding Secretary.*—Mrs. Robert A. Leighy, B.S. 1931; 1900 Lammont Street, Washington, D. C.

*Assistant Corresponding Secretary.*—Helen Newman, LL.B. 1925, LL.M. 1927; 4608 Chevy Chase Boulevard, Chevy Chase, Md.

*Treasurer.*—Mrs. Rufino Ramos, A.M. 1932 (B.S. in Ed. 1927, University of Nebraska); 35 M Street, Washington, D. C.

*Assistant Treasurer.*—Mrs. Edwin B. Behrend, B.S. 1901, M.S. 1909; 1854 Biltmore Street, Washington, D. C.

*Historian.*—Jessie Coope, A.B. in Ed. 1930; 1425 Rhode Island Avenue, Washington, D. C.

## HONOR SOCIETIES

*Phi Beta Kappa*.—Senior and junior students who are candidates for the degree of Bachelor of Arts or Bachelor of Science in Columbian College (in exceptional cases, senior and junior students in other non-professional divisions of the University) and who have shown broad cultural interests, distinguished scholarly achievement, high character, general promise, and scholarly ideals may, to a number not exceeding 15 per cent of a class, be elected to membership by the Faculty members of the Alpha Chapter of the District of Columbia.

*Sigma Xi*.—A national scientific honor society, the purpose of which is to encourage original investigation in science pure and applied. Outstanding graduate students in the sciences are eligible for full membership, and undergraduates who have shown marked ability in research may be elected to associate membership.

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*Alpha Lambda Delta*.—A national fraternity established to encourage and reward high scholarship and attainment, membership in which is limited to those freshman women who attain a scholastic average of at least 3.50.

*Artus*.—A national economics society.

*Delphi*.—An intersorority society.

*Delta Sigma Rho*.—A national forensic honor society.

*Gate and Key*.—An interfraternity society.

*Kappa Kappa Psi*.—A national honorary fraternity, the purpose of which is to encourage good fellowship, leadership, scholarship, and musical ability among college band members.

*Mortar Board*.—A national honorary society for senior college women.

*Omicron Delta Kappa*.—A national fraternity emphasizing leadership in extracurricular activities.

*Order of the Coif*.—A national legal society, the purpose of which is to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship.

*Phi Eta Sigma*.—A national fraternity established to encourage and reward high scholarship and attainment, membership in which is limited to those freshman men who attain a scholastic average of at least 3.50.

*Phi Sigma Rho*.—A national philosophic society.

*Pi Delta Epsilon*.—A national fraternity founded to stimulate an interest in college journalism and to elevate its standards.

*Pi Gamma Mu*.—A national social-science society.

*Sigma Pi Sigma*.—A national honorary physics fraternity.

*Sigma Tau.*—A national engineering fraternity, the purpose of which is to recognize scholarship and professional attainment.

*Smith-Reed-Russell Society.*—A scholastic society in the School of Medicine. Students of the third and fourth years who maintain a scholastic average of 86 per cent are eligible for associate membership.

*Steel Gauntlet.*—An organization for outstanding men in the junior class.

*William Beaumont Medical Society.*—A society founded with the object of encouraging and stimulating medical students in work of individual investigation.



## STUDENT ORGANIZATIONS

### PROFESSIONAL FRATERNITIES FOR MEN

Alpha Chi Sigma (chemistry); Alpha Kappa Psi (commerce and economics); Delta Phi Epsilon (foreign service); Delta Theta Phi (law); Gamma Eta Gamma (law); Mortar and Pestle (pharmacy); Phi Alpha Delta (law); Phi Chi (medicine); Phi Delta Epsilon (medicine); Phi Delta Phi (law); Phi Lambda Kappa (medicine); Sigma Gamma Epsilon (geology); Theta Tau (engineering).

### PROFESSIONAL FRATERNITIES FOR WOMEN

Alpha Epsilon Iota (medicine); Alpha Pi Epsilon (home economics); Chi Upsilon (geology); Iota Sigma Pi (chemistry); Kappa Beta Pi (law); Phi Delta Delta (law); Phi Delta Gamma (graduate); Phi Pi Epsilon (foreign service); Pi Lambda Theta (education).

### SOCIAL FRATERNITIES

Sigma Chi; Kappa Sigma; Kappa Alpha; Theta Delta Chi; Phi Sigma Kappa; Delta Tau Delta; Sigma Alpha Epsilon; Sigma Phi Epsilon; Phi Alpha; Sigma Nu; Acacia; Theta Upsilon Omega; Tau Kappa Epsilon; Phi Epsilon Pi; Tau Epsilon Phi; Alpha Mu Sigma; Pi Epsilon; Tau Alpha Omega.

### SOCIAL SORORITIES

Pi Beta Phi; Chi Omega; Sigma Kappa; Phi Mu; Alpha Delta Pi; Delta Zeta; Kappa Delta; Phi Sigma Sigma; Zeta Tau Alpha; Alpha Delta Theta; Beta Phi Alpha; Kappa Kappa Gamma.

### DEPARTMENTAL CLUBS

American Society of Civil Engineers; American Institute of Electrical Engineers; The Engineering Council; Le Cercle Français Universitaire; Charles Clinton Swisher History Club; Home Economics Club; Library Science Club; Mathematics Club; American Society of Mechanical Engineers; Association of Medical Students; A. F. A. King Obstetrical Society; Hamiltonian Society (physics); William Alanson White Society (psychiatry); Lester F. Ward Sociological Society; El Club Español.

### RELIGIOUS ORGANIZATIONS

Avukah; Baptist Student Union; Christian Science Organization; Episcopal Club; Luther Club; Newman Club; Presbyterian Club; Wesley Club.

## MUSICAL ORGANIZATIONS

Girls' Glee Club; Men's Glee Club; Symphony Club; University Band.

## STUDENT PUBLICATIONS

*The Cherry Tree* (the annual); *The Student Handbook* (manual of University information); *The University Hatchet* (weekly newspaper); *The George Washington Law Review*.

## OTHER ACTIVITIES

Colonial Campus Club; Cue and Curtain Club (dramatics); Fins Swimming Club; Freshman Club; Men's Independents Organization; Interfraternity Council; International Students Society; Junior College Council; Lens and Shutter (photography); Literary Club; Magna Carta Club; Masonic Club; The Omar Khayyam Chess Club; Orchesis (dance); Panhellenic Council; Philippinesian Club; Riding Club; Rousers; Senior Council; Sophomore Club; Student Council (student government); Student Union (legislative forum); Varsity Lettermen's Club; Women's Athletic Association.

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THE UNIVERSITY RECORD

1937-38



# CERTIFICATES AWARDED AND DEGREES CONFERRED

## THE JUNIOR COLLEGE

### JUNIOR CERTIFICATE

JUNE 9, 1937

Aaronsen, Eva Goldner	Okla.	Farret, James Edwin	Calif.
Allee, John Gage	Mont.	Feld, Minnie	Pa.
(With honors)		Fowler, Mary Diane	Nev.
Allen, Eugene Ward	D.C.	Flanagan, Howard Elmer	Va.
(With honors)		Fogle, Rita Estelle	D.C.
Allen, Ruth Augusta	D.C.	Fowler, Marion Hollingsworth	D.C.
Anderson, Gilbert I.	Iowa	Garner, Eleanor Radcliffe	D.C.
Andresen, Arden Leedy	D.C.	George, James Henry	Md.
Ansell, Nancy-Lydia	D.C.	Gerber, Toby	D.C.
Bailey, Alice K. J.	D.C.	Gitomer, Norman Moses	D.C.
Bannon, Francis L.	Wash.	Gray, George A., Jr.	Md.
Barbour, Robert T.	Md.	Greenberg, Faye	D.C.
Bateman, Jeanne Cecil	Calif.	Greenberg, Robert Milton	D.C.
Bellows, Everett Hollis	Ohio	Graggs, Julian Gladden	Md.
Bissell, Howard Norman	Ind.	Grawold, Elizabeth	D.C.
Blumenthal, Lester Sylvan	D.C.	Hall, Fred H.	Ga.
Bolannan, Charles Theodore Rutledge	Md.	Hanks, Clementine	Mont.
Bollinger, Theresa	Mich.	Hanson, Clara Amelia	Kans.
Boote, Ward Etheridge	Pa.	Hargett, Anna May	Md.
Bottimore, Edith Anne	Va.	Harlan, Jack Rodney	D.C.
Bowman, Charlotte Josephine	Va.	(With honors)	
Bradley, Wayne Clark	Wis.	Harmon, Barbara Ruth	Va.
Brainerd, Frances Rockwell	D.C.	Harris, Thomas Hilliard, Jr.	Miss.
Braisted, William Reynolds	D.C.	Henry, Donald Lee	Mont.
Bright, Catharine Crawford	D.C.	Hobbs, James Arthur	Ga.
Brooke, Irvin Adair	Md.	Holden, James Bernard	Idaho
Bruce, Delbert H.	S Dak.	Holdstock, Henry Bruce	Calif.
Brugger, Alice	D.C.	Hoyt, Charles Garmore	S Dak.
Bryan, Agnes Lucile	Va.	Huddleston, Edith Mary	D.C.
Burch, Mary Elizabeth	Colo.	Hudson, George E. III	D.C.
Butts, Helen Elizabeth	N.Y.	Hurd, Willis Lee	D.C.
Cain, Mary Ruth	D.C.	Jackson, A. Gifford	Utah
Calver, Jessie Carleton	D.C.	Jenkins, Ethel Bailey	Va.
Carey, Harold Vincent	Conn.	Jones, Joe Allen	D.C.
Cassil, John F.	Ind.	Kadin, Marionbetty	N.Y.
Cheatham, William Staley	N.C.	Kamsky, Israel Benjamin	D.C.
Clay, Dorothy Esther	Okla.	Kanof, Norman Balfour	D.C.
(With honors)		Katz, Samuel Irving	Tenn.
Clayton, Charles William	D.C.	(With honors)	
Cooley, Rachel Adeline	D.C.	Kavalier, Frank James	Ill.
Corbett, Eleanor Marie	Conn.	Kempka, Henry R.	Ohio
Costantini, August Mario	R.I.	Kolinski, James Charles	Wis.
Couch, Cecilia L.	Va.	Krupshaw, Fulton Hilton	D.C.
Cox, Mary Winifred	Mass.	Lee, Joseph Fitzbough	D.C.
Davidson, Sidney	D.C.	Lee, Virginia Welch	W Va.
Dawson, Virginia Constance	Md.	Leemans, Alphonse Emil	Wis.
(With honors)		Lewis, William, Jr.	D.C.
Detre, Doris	D.C.	Lofgren, Albert Vincent	D.C.
Easton, William Heyden	Ind.	Lo Russo, Virgil Alfred	Pa.
Eisenhart, Earl E., Jr.	D.C.	Love, Howard Theodore	Colo.
(With honors)		MacDonald, Curtis Upton	Va.
Ellis, John Flather	D.C.	Maciulla, James Louis	D.C.
Emerson, Elizabeth Mae	D.C.	MacMillan, Ruth Edna	D.C.
Engelhardt, Charles William, Jr.	D.C.	Mallios, Alexander James	D.C.
Enochs, Elisabeth Shirley	Va.	Manson, Merrill M.	Ind.
Fanaroff, Thelma	D.C.	Marcum, Carlos Philip	D.C.
Faris, Robert K.	D.C.	Maxon, Mary	D.C.



Melpolder, Frank Wick	D.C.	Richards, Leonard Frank	Ark.
Meiselman, Muriel Charlotte	D.C.	Richardson, Marie Elizabeth	D.C.
Miller, Madelyn Frances	N.Y.	Richwine, Isabel	D.C.
Mintz, Malcolm Irving	D.C.	Roberts, Esther Adams	D.C.
Mohagen, Edna Alice	N.Dak.	Roller, Jane	D.C.
(With honors)		Rosenfeld, Sidney Martin	N.Y.
Molster, Anna Katharine	D.C.	Rosenzweig, Stanley Harold	D.C.
(With honors)		Rosenthal, Leonore	D.C.
Monis, Frances	N.Y.	Schmitt, Karl, Jr.	D.C.
Moore, George Mansfield	Ky.	Schrimsher, Rice Emmett	Ala.
Moore, John Stewart	D.C.	Scott, James Muncy	D.C.
(With honors)		Seaman, Cherie LaForge	Wis.
Moorman, Marjorie Elliott	Ky.	Seder, James William	D.C.
Morrow, John A.	N.J.	Simpson, Berry Barber	D.C.
Morse, Roger Herbert	Kans.	Smith, Mary Louise	N.J.
Neff, Julia Elizabeth	D.C.	Spectar, Seymour	N.Y.
Noonan, William Joseph	D.C.	Stadler, Morris David	D.C.
Nordlund, Harry F.	Wash.	Stibbenland, Mary Jane	D.C.
Pace, David Allen	Tex.	Temon, Harold	Pa.
Pasma, Theodore Kay	Md.	Thomas, Jesse Woodrow	Ky.
Payne, Vivian Franklin	Va.	Tiavsky, George	D.C.
Peterson, Leonard Durnell	Ohio	Torre, Antonette Marie	D.C.
(With honors)		Trone, Mary Margaret	Md.
Petriles, George Athan	D.C.	Vierling, Helen Overton	Md.
Philips, Henry	Pa.	Waistrom, John Anthony	Mo.
Pickens, Charles Wilmer	D.C.	Warman, Marion Joan	D.C.
Pickens, John Kenneth	N.Y.	Watson, Carolyn Pierce	D.C.
Plotnicki, Ben Anthony	Ind.	Whitesell, Harry S.	D.C.
Podnes, Seymour	Mass.	Willard, John E.	S.C.
Porter, Mary Charlotte	D.C.	Willey, Robert Haven	D.C.
Prather, Frances Azelia	Va.	Wright, Harvey Cecil	N.Y.
Pugh, Eleanor Caldwell	D.C.	Wyvell, Eleanor Claire	D.C.
Rauch, Edmund David	D.C.	Young, Maude Elizabeth	D.C.
Reed, Vaughn DeWitt	Ohio	Zebley, Frances Elizabeth	D.C.
Reeves, Herbert H.	Ark.	Zapser, Isidore	N.Y.
Repetti, Rosemary Gertrude	D.C.		

## FEBRUARY 22, 1938

Alden, Manning Wallace	Md.	Eldridge, Eugene R.	N.Y.
Alex, Frances Clement	D.C.	Ellerin, Milton	Conn.
Baker, Robert Merritt	Colo.	English, Thomas Young	Tenn.
Banks, Don H.	Utah	Feiker, Barbara Jean	Pa.
Barnes, Lillian Pearl	N.C.	Fenwick, Helen Winifred	Ohio
Beale, George William Jr.	D.C.	Fien, Edward Allen	N.Y.
Behuncik, John Edward	Conn.	Fowler, James Abbott	D.C.
Belaval, Lister	P.R.	Fressinger, Maurice	Tex.
Bernstein, Mitchel	D.C.	Gardner, James Rae	Ala.
Blumenthal, Flora	D.C.	Gelbach, John A.	Ohio
Bour, Catherine	D.C.	Gersten, Maurice R.	Conn.
Brascombe, Arthur Allison	D.C.	Gibbons, Robert DeForest	Mich.
Brady, Herman	Ohio	Giltner, Harriet Chase	D.C.
Burch, Jacob	D.C.	Goldfaden, Elizabeth Brandes	D.C.
Burnett, Elizabeth Susong	D.C.	Gordon, Nancy	D.C.
Campbell, Lorene	Ark.	Gurewitz, Rena	D.C.
Castell, Jane Jordan	Md.	Hale, Mary Louise	D.C.
Carte, Carrie Cathern	D.C.	Hale, Teresa Vaughan	D.C.
Ceppos, Harry	D.C.	Hammill, Caroline Ashby	Wash.
Christie, Alfred III	Md.	Harvey, George Reuben	N.C.
Christie, Donald Pray	D.C.	Head, James Felton	D.C.
Christoferson, Herbert Carl	Ill.	Hobart, Carol Little	N.Y.
Clancy, James William	Conn.	Hudsonway, O. Willard	D.C.
Coe, Richard Livingston	N.I.	Howard, I. Ray	Idaho
Collins, Elmer	D.C.	Hyde, Donald	D.C.
David, Anne Joyce	Fla.	John, Patricia Dorothy	Ala.
Deer, George L.	Pa.	James, Walter Ervin	D.C.
Dickey, Allen Joyner	Va.	Jarrett, Robert G.	D.C.
Donn, Frederick Y., Jr.	D.C.	Lewis, Allen Monroe	D.C.
Dowd, Thomas Nathan	Iowa	Kelso, Dorothy Kathleen	D.C.
(With honors)		Kelso, Mary Emmeline	Ark.
Dublin, Jack	Colo.	Kimball, Marden David	

# Degrees Conferred

v

Klein, Joseph	N.Y.	Richman, Lefoy	Idaho
Kleinman, Arthur	N.Y.	Rozansky, Bernard	D.C.
Kraeger, Dorothy Jeanne	D.C.	Rucker, Elmer Parks	D.C.
Kropf, Stephen	Conn.	Russia, Carl	D.C.
Kurtz, H. James	D.C.	Sager, William Frederick	D.C.
Larsgaard, Clara Helen	N. Dak.	Sammons, Robert Lee	Conn.
(With honors)		Sandoval, Ernest Urbano	Calif.
Lawrie, Clementena Newbold	D.C.	Sears, Marian Colhamore	D.C.
Lazaroff, Louis	D.C.	Sherrer, Martha Strayer	D.C.
(With honors)		Sisson, Clifton Carroll	D.C.
Leavitt, Ruth Margaret	D.C.	Skinker, Dudley Graham	D.C.
Levin, Henry Max	D.C.	Smith, Carl H., Jr.	Ill.
Lewis, Melvin Earl	D.C.	Smith, Jane	Ill.
(With honors)		Southmayd, John Pixley	Mont.
Lintner, Julius Ross, Jr.	Va.	Strapleton, Timothy Robert	N.J.
Livinston, Mary Jane	Tenn.	Starns, John Cecil	Ky.
Long, Florence Adelaide	Va.	Stegeman, Lambertus Madison	Calif.
Long, John Aloysius	D.C.	Stelman, Floyd	Va.
Lowell, Rosalind Virginia	Ohio	Supiot, Anna Marguerite	Pa.
Martin, Albert Rutledge	S.C.	Sutes, Allan Herbert	D.C.
Martin, Mary Douglas	Ark.	Swanson, Carl C. L. barn	Ill.
Maycock, John Dennis	Utah	Sykes, Malvina Yeager	Miss.
McNamara, Alexander Peter	D.C.	Talvitie, Nilo	Wis.
Millard, Ray Edward	D.C.	Tobias, Virginia	Tex.
Miller, Albert	D.C.	Thompson, William M.	Utah
Mitchell, Milton	N.Y.	Turner, Marshal Swanson	N.C.
(With honors)		Walker, Samuel Hamilton III	Md.
Morris, Leon William	Iowa	Weaver, Katherine Jeanette	Calif.
Moseley, Vernon M.	Kans.	Webb, Virginia Ruth	D.C.
O'Brien, Elizabeth Ann	D.C.	Weinstein, Estelle	D.C.
Overby, Dovey Ruth	Miss.	Whitehead, David C.	Va.
Parrish, Floyd Donald	Ill.	Wildes, Cecil Martin	Wis.
Patterson, Mildred Irene	D.C.	Wilkie, Edward Charles	D.C.
Petty, Mary Frances	D.C.	Wood, Frank Luther	N.J.
Pinching, Gladys Dorothy	D.C.	Woodley, Frederick William, Jr.	D.C.
Poch, Stanley Thomas	Wash.	Woodside, Walter W.	Ill.
Prescott, Alexander Fullerton III	Md.	Woodward, Everett Harry	D.C.
Purple, George Arthur, Jr.	Calif.	Woodward, Walter Francis	D.C.
Rasbeck, Frank Maxwell III	Wis.	Yurwitz, Julius Peter	N.Y.
Rankin, Joseph Winfield	Idaho	Zabel, Edward Otto	D.C.
Reardon, Wilfred J.	Wis.	Zylman, Jacob Derk	Wis.
Reeves, Winifred Marjorie	D.C.		
(With honors)			

## COLUMBIAN COLLEGE

### BACHELOR OF ARTS

JUNE 9, 1937

Albee, Richard Sumner	D.C.	Browning, Edmund Lewis, Jr.	D.C.
Andersen, Daniel Johannes	N.Y.	(With distinction)	
Ankers, Margaret	Va.	Brundage, Harriet Hill	D.C.
Baker, Anna Thurman	Va.	Burke, John Harold	W. Va.
Beach, Anne de Beaupre	Md.	Campbell, James Milton	Md.
Beach, Robert Page	Iowa	Capper, Bernard M.	N.Y.
Beattie, James Sweetman	D.C.	Casella, Joseph Vincent	Conn.
Been, Richard Olof	Mich.	Chesnut, Charles Raphael	Ark.
(With distinction)		*Clapp, Stewart	Md.
Beidman, Elliot Fugate	Calif.	Clark, Alan B.	W. Va.
Berkes, Ross North	Calif.	Coleman, Ernest Taylor	D.C.
Black, Katherine Elizabeth	D.C.	Cooper, Marion Lewis, Jr.	Calif.
Blackwell, Lucy Barber	Va.	Corridon, Alice Elisabeth	D.C.
Boelam, Alice Elizabeth	Kans.	(With distinction)	
Boese, Benjamin Franklin	Nebr.	Cox, Richard Martin	N.C.
Bovino, James Vincent	N.J.	Crouch, William Henry	Tenn.
Brick, Irving B.	Fla.	Crowther, Don Q.	Calif.
Bright, Catharine Crawford	D.C.		
Brown, Betty May	D.C.		

\* Degree conferred by the University.

Danish, Jacob Mayr	D.C.	Miller, Blanche	D.C.
Davis, Caroline Edna	Kans.	Minor, Aubrey Taylor	Ind.
Davis, Mary Margaret	D.C.	Montgomery, Wesley Lee	N.C.
Derrickson, Vivien Rogin	N.J.	Moore, George Mansfield	Ky.
Ellis, Kenneth Walter	Calif.	Mulligan, Tracy Ellsworth	D.C.
Elias, Max Allan	N.Y.	Myers, Edward S.	D.C.
Embrey, Lemuel Jackson	Va.	LL.B. 1934, Georgetown University	D.C.
Failor, Kenneth Merle	Mich.	Nelson, Ethel Mary	D.C.
Fitzgerald, John Edward	Md.	Newhouse, Mildred Miriam	D.C.
Fraser, Gerry Lyn	Tex.	Noonan, William Joseph	D.C.
Frazier, Lucy Fairfax	Va.	Nordin, Ruth	Nebr.
Fulgham, Mary Herbert	Tex.	Norris, Marguerite Mae	Md.
Gerber, Toby	D.C.	Nye, William David	D.C.
Galbert, Rita Jeannette	D.C.	Paylor, Wilhelmina	Md.
Goldensohn, Eli Samuel	N.J.	Peckham, Winifred Alida	Pa.
Goldman, Joseph Bernard	D.C.	Philips, Henry	Pa.
(With distinction)		Pickett, Dorothy	D.C.
Goyette, Linus F. G.	Mass.	Pomeroy, Floyd Stanley	Ill.
Greenberg, Robert Milton	D.C.	Posnjak, Ellen Wynne	D.C.
Hagen, Adolph William	Minn.	(With distinction)	
Hallman, Paul W.	N.C.	Ratchford, Audrey	Wash.
Harding, Davis Philoon	Ohio	Reid, Rebecca	Calif.
(With distinction)		Reyes, Simplicio Elinzano	P.I.
Heiges, Harold Lynwood	Pa.	Ridgway, Frances Burke	D.C.
Henderson, Ralph Leonard	D.C.	Ringness, Henry Raymond	Minn.
Horn, Hubert Winifred	Ind.	Rosenthal, Leonore	D.C.
Houghton, Francis Eugene	D.C.	Rudd, Elizabeth Draper	Md.
Hubbart, Dwight Lowell	Calif.	Schneider, Robert Hamlin	Va.
Hudson, Thomas Buford	N.C.	Seaman, Cherie LaForge	Wis.
LL.B. 1934, The George Washington		Sedert, Louise Mac	Pa.
University		Shapter, Agnes Fitzhugh	D.C.
Humphrey, Frances Estella	S.Dak.	Slaughter, Thomas Foster, Jr.	D.C.
Hunter, Richard Sewall	Va.	Smith, Clyde Willard	Ill.
Johnson, Frances Ashlin	D.C.	Snow, Paul Vincent	Md.
Johnson, Lafayette D.	Okl.	Spund, Ellen June	D.C.
Kemper, Edward Crawford, Jr.	Md.	Stafford, William T.	Wis.
Kennedy, David Matthew	Utah	Strandell, Everett Leonard	Minn.
LL.B. 1935, The George Washington		Temin, Harold	D.C.
University		Thiemeyer, John Samuel, Jr.	Ill.
Kerns, Josephine Adeline	Ga.	Tillotson, John Wallace	Tex.
Kiefer, Verna Volz	N.Y.	Tips, Mary Louise	Del.
Kiel, Helen Julia	D.C.	Tuckerman, Arthur David	Tex.
King, Lorraine LeBon	D.C.	Turner, Jettie	Conn.
Kline, John Marriott	Mont.	Wadsworth, Margaret Ashlin	Ill.
Kruger, Morris	Va.	Wahl, Elizabeth	Iowa
Latimer, Marjorie Nelson	Tex.	Walker, Edith Kathleen	Wash.
Latusitz, Sylvia	D.C.	Walker, Harold Donald	Va.
Loeb, Janice	D.C.	Weaver, Thomas Harold	Pa.
Maltz, Lillian Sondra	D.C.	Wice, Israel	Va.
Mansum, Carlos Philip	D.C.	Wiley, Genevieve Viola	Md.
Martin, Ovid Harold	Okl.	Williams, Edith Harrower	Md.
Matthews, Annie Marguerite	D.C.	Young, Janet	D.C.
*McLaughlin, Genevieve Ann	N.Y.	Zukerman, Saul	

## FEBRUARY 22, 1938

Baker, Alida Annet	Mass.	Detré, Doris	D.C.
Barber, Charles Hubert	Miss.	Firth, Raymond Holdsworth	Md.
Bennett, Lorenzo Thompson, Jr.	Mich.	Folston, Montimer James	D.C.
LL.B. 1936, The George Washington		Fox, Helen	D.C.
University		Gamble, Savilla Latham	Conn.
Bottimore, Edith Anne	Va.	Geisten, Maurice R.	Wash.
Bowles, Louisa Laing	Md.	Gilkey, Earle W.	Mont.
Brooks, Thomas Ransel	D.C.	Hanks, Clementine	Wash.
(With distinction)		Harvey, George Reuben	D.C.
Christie, Donald Pray	D.C.	Hohberger, Doris	Utah
Coughlin, John Joseph	N.Y.	Huber, Albert	China
Croccia, Nina Marie	D.C.	Ing, Lota Lois	N.J.
Crosetto, Albert George	Pa.	Jaffe, Sidney	Md.
		Kline, Philip Sherwood	N.Y.
		Lansky, Reuben	

\* Degree conferred by the University.



## Degrees Conferred

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Levy, Harold Allen	W.Va.	Tietney, Kaden	W.Va.
Lorwin, Madge	D.C.	Walsky, Frances Raum	D.C.
Matosoff, Louis	N.Y.	Wildes, Orville Ellwin	Wis.
McCulloch, Louise	Ark.	Wise, Charles Conrad, Jr.	D.C.
McReynolds, William Emmett	D.C.	(With distinction)	
Petrokovsky, Julius Melvin	N.Y.	L.L.B. 1936, The George Washington	
Reeder, Samuel Bye, Jr.	D.C.	University	N.Y.
Ross, Winifred Rayfield Nichols	Mich.	Witter, George Daniel	
Russo, Carl	D.C.	L.L.B. 1937, The George Washington	
Seydel, Morris Monsees	Colo.	University	D.C.
Shafroth, Helena Morrison	Md.	Woodward, Everett Harry	N.H.
Short, Morris Robert	Okla.	Wright, Mary Morris	N.Y.
Spencer, Nathaniel Roscoe	Ill.	Zill, Anthony	
Stepler, Harold Gordon	Ind.	B.S. 1937, College of the City of	
Swindells, James Fisher	D.C.	New York	

## BACHELOR OF SCIENCE

JUNE 9, 1937

Buck, Dorothy May	N.J.	Krucoff, Morris Edward	D.C.
Cassil, Carroll Clayton	Calif.	Lightfoot, Charles Eastman	Va.
Chrzanowski, Peter Paul	Conn.	Neal, Oscar Thomas	Ky.
Clark, Lewis Jesse	D.C.	Podnos, Seymour	Mass.
Davis, Benjamin Lawrence	Ohio	Reinhardt, Eleanor Louise	Okla.
Davis, Selby Brinker	D.C.	Rice, Bernard	Ill.
Donoghue, James Joseph	Calif.	Robins, Albert Irving	D.C.
Drury, Horace Featherstone	D.C.	Ruch, Martin Robert	N.J.
(With distinction)		Settle, Russell	W.Va.
Easton, William Heyden	Ind.	Sierman, Lewis Oscar	D.C.
Ervin, Guy, Jr.	Va.	Sinkowitz, Sidney	D.C.
Gautier, William Kanode	D.C.	Tanner, Gary Estelle	Va.
Goldberg, Shirley	D.C.	Umberger, Ernest Joy	S.Dak.
Harris, Thomas Hilliard, Jr.	Miss.	Wetherald, Arthur Herman	R.I.
Kauffman, Julius	D.C.		

FEBRUARY 22, 1938

Ahrens, Thomas Patrick	Mont.	Huss, James Porter	D.C.
Bailey, William Henry III	D.C.	Kleinman, Henry Maurice	N.Y.
Bohannon, Charles Theodore Rutledge	N.Mex.	Kroger, Gustav Otto, Jr.	D.C.
Cloud, Preston Eccelle	Pa.	O'Connor, Robert Thomas	Mass.
(With distinction)		Petrides, George Athan	D.C.
Epstein, Rhoda Bernice	D.C.	Prosen, Edward Joseph	Minn.
Feld, Minna	Pa.	Weinberg, Albert Kronstadt	N.Y.

## MASTER OF ARTS

JUNE 9, 1937

Barber, George	D.C.	Hoffman, Edward Lewis	Va.
A.B. 1935, American University		B.S. 1929, Roanoke College	
Carnes, Frances Eleanor	N.J.	Jones, John Courts	Minn.
B.S. 1935, New Jersey College for		A.B. 1934, University of Minnesota	
Women		Kerr, Evelyn Ruth	D.C.
Collins, Marcus Whitford	S.C.	A.B. 1933, The George Washington	
A.B. 1920, University of Alabama		University	Calif.
Evans, Robert Randall	Nebr.	Kerr, Peyton	
A.B. 1931, Creighton University		B.S. 1925, University of California	Ill.
Galloway, William Smith	N.J.	Koch, Alice E. Roberts	
B.S. 1935, Lehigh University		A.B. 1924, University of Illinois	Maine
Hanford, Helen Taylor	D.C.	Mercer, Alfred Albert	
A.B. 1920, The George Washington		A.B. 1931, The George Washington	
University		University	
Hanford, Rowland Curtis	W.Va.		
B.S. 1933, Davis and Elkins College			

Meyer, Charles Frederick B.S. 1935, Pennsylvania State College	Pa.	Robinson, Joe Adams B.S. 1935, University of Oklahoma	Okla.
Mountain, David Charles B.S. 1934, Massachusetts State College	Mass.	Schoenherr, Angela Horton A.B. 1935, The George Washington University	Va.
Nold, Marie Cuthbertson A.B. 1924, LL.B. 1934, The George Washington University	Minn.	Suber, Edna Swenson A.B. 1929, Northland College	Minn.
Pierce, Mary-Elizabeth A.B. 1935, The George Washington University	D.C.	Wester, Robert Emerson A.B. 1930, The George Washington University	Tex.
Reynolds, George Elkanah Swann A.B. 1935, The George Washington University	D.C.	Williams, Kenneth Burde A.B. 1932, Stanford University	Calif.
Richmond, Hilda Wright A.B. 1938, The George Washington University	D.C.	Wilson, Mary Randolph A.B. 1932, Vassar College	Tex.
		Witcover, Henry Wallace A.B. 1936, Duke University	S.C.

## FEBRUARY 22, 1938

Clagett, Marshall A.B. 1937, The George Washington University	Calif.	Rogers, Arthur Leon, Jr. A.B. 1934, The George Washington University	Miss.
Dale, Chester Nicholas D.V.M. 1919, Ohio State University	Va.	Schult, Verna May A.B. 1934, The George Washington University	Wis.
Dryer, David Allen A.B. 1931, The George Washington University	D.C.	Seversmith, Herbert Furman B.S. 1915, The George Washington University	D.C.
Fox, Irving A.B. 1937, The George Washington University	N.Y.	Staubly, Ralph Franklin, Jr. A.B. 1931, The George Washington University	Md.
Fritz, Florence Ruth A.B. 1930, The George Washington University	D.C.	Von Oesen, Kathryn Rita A.B. 1936, Skidmore College	N.Y.
Löwinger, Armand B.S. 1931, College of the City of New York	N.Y.	Ward, Kathryn M. Painter A.B. 1935, The George Washington University	D.C.
Mason, John Thomas A.B. 1935, The George Washington University	Ill.	Yao, Zoung-foo A.B. 1936, St. John's University, Shanghai, China	D.C.
Reavis, Betty Hill A.B. 1931, The George Washington University	N.C.		

## THE GRADUATE COUNCIL

## DOCTOR OF PHILOSOPHY

## JUNE 9, 1937

Haddow, Anna A.B. 1926, A.M. 1927, Pennsylvania State College B.S. 1928, Drexel Institute Thesis: "History of the Teaching of Political Science in the Colleges and Universities of the United States 1616-1916"	D.C.	Miller, Gail Lorenz A.B. 1933, A.M. 1934, University of Illinois Thesis: "The Sulfur of Insulin"	D.C.
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## FEBRUARY 22, 1938

Wythe, George A.B. 1914, University of Texas Thesis: "Brazil's Recent Foreign Economic Policy"	Tex.
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## THE SCHOOL OF MEDICINE

## DOCTOR OF MEDICINE

JUNE 9, 1937

Baralt Carrera, Manuel M. A.B. 1934, The George Washington University	P.R.	Horner, Jack Chenoweth Kiernan, Paul Chapman Kirby-Smith, Hayden B.S. 1927, University of the South	D.C. D.C. Calif.
Barnum, Glenn Lewis B.S. 1930, A.M. 1931, The George Washington University Sc.D. 1937, Johns Hopkins University	Calif.	Kostecki, Walter Andrew B.S. 1931, Tufts College Kuffner, Elizabeth Yahl Lapenta, Rocco George B.S. 1933, Lafayette College	Mass. Ohio Conn.
Bedell, Harold B.S. 1933, Alfred University	N.J.	Larkey, Irving Gilbert A.B. 1933, The George Washington University	N.J.
Buch, Catharine A.B. 1932, The George Washington University	D.C.	Limber, Carl Raymond B.S. 1933, Thiel College	Pa.
Bourne, John Rogers A.B. 1914, University of Utah	Utah	Luckett, William Fleet B.S. 1933, Franklin and Marshall College	D.C.
Brody, Edwin Richard	Ohio	Madden, John Patrick Leo May, Angelo M. A.B. 1933, Stanford University	D.C. Calif.
Bryant, Robert Murray, Jr. Clapp, Stewart Clum, John Philip A.B. 1933, The George Washington University	Va. Md. Md.	Menke, Blaine Herman A.B. 1932, The George Washington University	Nev.
Cockley, Charles Seymour Cooper, Corinne A.B. 1928, The George Washington University	D.C. Md.	Mohan, John F. B.S. 1936, University of Pittsburgh	Pa.
Craft, Harold Albert B.S. 1926, Pennsylvania State College M.S. 1930, The George Washington University	D.C.	Morgenstern, Philip A.B. 1914, The George Washington University	N.Y.
Crampton, Alexander Berkeley Crittenden, Marjorie B.S. 1933, The George Washington University	Calif. D.C.	Norcross, John Alfred B.S. 1911, Dickinson College	D.C.
Dermon, Harry B.S. 1911, College of the City of New York M.S. 1911, New York University	N.Y.	Orleans, Leslie Sol A.B. 1932, The George Washington University	D.C.
Donghia, Sebastian Augustus Epstein, Julius Robert Everett, John Ellsworth A.B. 1934, The George Washington University	Pa. D.C. D.C.	Pinto, Joseph Alexander Prevo, Samuel Bradley B.S. 1936, Purdue University	N.J. Ill.
Farnsworth, Reed White A.B. 1934, University of Utah	Utah	Quiladimi Rong, Carlos A. Quinlan, Richard Simon Ross, Louis Rudner, Cecil A.B. 1933, The George Washington University	P.R. N.Y. D.C. N.Y.
Farrall, Frank Worthington B.S. 1931, St. John's University, New York	N.Y.	Rudner, Nathan Salva, Michael L. A.B. 1932, The George Washington University	N.Y. N.Y.
Farrell, George Raymond Garlick, William Lynnewood A.B. 1911, Emory University	Md. Ga.	Sickler, Donald Reginald A.B. 1930, The George Washington University	D.C.
Golden, Robert Fred Grant, Raymond Joseph A.B. 1931, Cornell University	D.C. N.J.	Siegfried, Myrtle Margaret Spore, Richard Harding Steiner, Sylvan Adolph Suttenfeld, Frederick Daniel Tall, Asael B.S. 1910, University of Idaho	Pa. D.C. D.C. N.C. Idaho
Greene, Edwin Claire B.S. 1933, Alfred University	N.Y.	Turner, Verna V. Winik, Irving Wolfe Wunsch, Joseph John	Pa. D.C. Pa.
Holtzman, Saul (With distinction)	D.C.		



THE LAW SCHOOL  
BACHELOR OF LAWS

JUNE 9, 1937

Belser, William Gordon, Jr. A.B. 1912, The Citadel A.M. 1913, University of South Carolina	S.C.	Hobbs, Winston Ellis A.B. 1911, Dartmouth College	Md.
Boesch, Paul Raymond		Hoebrechts, Omer Stanislaw	Wis.
Brooks, Jesse Howard A.B. 1910, Oberlin College	D.C.	Hoffman, Charles North A.B. 1930, State University of Iowa	Iowa
Buckley, Carper W.	Mont.	Holden, Robert Bonifield	Idaho
Buckley, Richard Randolph	Va.	Holden, Waldo Coleman A.B. 1925, M.B.A. 1927, Harvard University	Vt.
Buddeke, Richard Anthony A.B. 1925, The George Washington University	Va. Ohio	Hutchison, Earl Wedderburn B.S. 1916, University of Wisconsin	Ill.
Cameron, Warde Mitchell	Utah	James, Leonard Eldon B.S. 1924, College of William and Mary	Va.
Conkey, John G. III	Mo.	Jessup, Gerald Entzminger A.B. 1915, The George Washington University	Okla.
Cook, Millard James	Nebr.	Koester, Charles William B.S. 1931, University of Nebraska	Kans.
Curtiss, Ralph Edward	Wash.	M.B.A. 1933, Harvard University	
Dalby, Dent D. A.B. 1913, University of Utah	Utah	Kuppinger, Eldred Doten A.B. 1933, Ohio State University	Ohio
Danielson, Emma Louise A.B. 1914, Mount Holyoke College	D.C.	LaBonte, Charles Leo	Mass.
dellaas, Michiam Milliken A.B. 1912, The George Washington University	D.C.	Lamb, Philip Everett	Maine
Dickerman, Carroll Hilliard A.B. 1913, Pennsylvania State College	Pa.	Langtry, Wilbur Wilson, Jr. Lee, John William	D.C. Mo.
Donohue, Donovan Haskell	Fla.	Ph.C. 1930, B.S. 1930, University of Oklahoma	
Dovle, William Edward	Colo.	M.S. 1935, University of Michigan	Calif.
Draper, Courtney Rogers	Utah	Lloyd, Margaret Mabel A.B. 1920, University of Southern California	
Easterwood, Oliver Perry, Jr. A.B. 1913, University of Denver	N.Mex.	Lockwood, Corwin Reese, Jr. A.B. 1911, The George Washington University	Ohio
Eckerman, Howard Porter A.B. 1912, The George Washington University	Iowa	Loftis, James Robert, Jr. A.B. 1933, University of Utah	Utah
Ely, Albert Love, Jr. M.F. 1911, Cornell University	Ohio	Loyd, Dewitt Clinton	Ill.
Fennell, Frederick Fillmore A.B. 1912, Lincoln Memorial University	Tenn.	Lushy, Ralston Newell A.B. 1915, The George Washington University	D.C.
Foste, Frank Ewing B.S. 1930, Carnegie Institute of Technology	Pa.	Magnusson, Jon B.S. 1935, University of Virginia	D.C.
Foxley, Edward George B.S. 1927, Utah State Agricultural College	D.C.	Mangolius, Bernard (With distinction) A.B. 1915, The George Washington University	D.C.
Geenen, Ruth George, Paul Eugene	N.J. Ind.	McGuire, Ollie Roscoe, Jr. Miller, Jack Julius	Va. Calif.
Gibson, George Edward A.B. 1914, University of Oklahoma	Okla.	Miller, Kenneth Keith A.B. 1934, The George Washington University	Mich.
Gibson, Hal Templeton A.B. 1915, Vanderbilt University	Tenn.	Moore, Winsor Carl A.B. 1935, Central Y.M.C.A. College	Ill.
Gillard, Joseph Rogers, Jr. A.B. 1914, University of Michigan	Mich.	Nelson, Manford Edward Nichols, Emery Lewis	Iowa Calif.
Groff, John Smith Hall, Robert E. Lee A.B. 1912, The George Washington University	Utah Ga.	O'Connor, Maurice A.B. 1934, Dartmouth College	Iowa Calif. Iowa
Handloff, Alvin I. A.B. 1911, University of Delaware	Del.	Oexmann, Oskar Paul O'Malley, Lawrence Joseph	Ind. Nebr. Md.
Hastan, Reuben Hawes, Katherine Norman A.B. 1911, Cornell University	Utah D.C.	Parks, Wallace Judson A.B. 1932, Williams College	
Hill, Samuel Thomas A.B. 1912, The George Washington University	N.C.	Pimper, James Lambie A.B. 1935, Dartmouth College	Md.
Hobbs, Connie Mack	Ind.		

# Degrees Conferred

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Flugge, John Ade	Md.	Syler, Frederic Lowell	Ohio
B.S. 1920, M.S. 1920, Massachusetts Institute of Technology		B.S. 1920, Ohio State University	
Price, Henry Ellis	Ga.	Taylor, Dale Eakles	N. Dak.
A.B. 1922, Emory University		B.S. 1925, University of Nebraska	
Prothro, Adolphus M.	Ark.	Theodore, Jerome	Ohio
A.B. 1924, Baylor University		Underwood, Raymond	
Rakusin, Stanley	D.C.	B.S. 1920, Massachusetts Institute of Technology	
Redrow, Allan Raymond	Ohio	Vaughan, Robert McNeal	Ky.
B.S. 1933, Catholic University of America		A.B. 1923, Duke University	
Rhyme, Charles Sylvanus	N.C.	Vincent, Clyde Earl	Ky.
Richmond, David Walker	Kans.	A.B. 1927, Western Kentucky Teachers College	
Roberts, Eugene Joseph	D.C.	A.M. 1931, University of Kentucky	
B.S. 1930, University of Maryland		West, Wilburn Clyde	Utah
Romney, Charles Wilcken	Utah	Wheatley, Altha Conner	W. Va.
Rountree, George, Jr.	Ga.	A.B. 1922, Marshall College	
Schwarz, Benjamin Klein	D.C.	Wheatley, George Henry	W. Va.
A.B. 1924, The George Washington University		Whitane, Charles Jonathan	Maine
Sinclair, Lee Duree	S. Dak.	Graduate 1926, U. S. Naval Academy	
Stafford, Zebulon Hopkins	Md.	Winward, Jay Frantz	Pa.
Stayton, William Henry, Jr.	Del.	A.B. 1927, Ohio Northern University	
Stickgold, Simon	Ill.	Witter, George Daniel	N. Y.
Stull, Neil Francis	D.C.	Woods, Warren	Pa.
B.S. 1921, Ohio State University		Yinger, Harry Lloyd	
Swayze, John McFarland	Kans.	B.S. 1923, The George Washington University	
A.B. 1924, The George Washington University		Yost, Robert Charles	Wis.
Swope, Edwin Leon	N. Mex.	Yules, Herman	Conn.
		A.B. 1933, Yale University	

## FEBRUARY 22, 1938

Adams, Glendor Whipple	Utah	Goodrich, Ernest W.	Va.
B.S. 1922, University of Utah		A.B. 1915, College of William and Mary	
Alexander, Theodore Mack	Calif.	Harris, John Ashton	Va.
A.B. 1915, The George Washington University		A.B. 1922, University of Richmond	
Allen, Walton S.	Okla.	Henderson, Ruth Anthony	Mass.
Arnold, Harold Arthur Parks	Kans.	A.B. 1928, Wilson College	
A.B. 1917, Washburn College		Hellimon, Blaine, Jr.	Tex.
Ash, Ara Russell, Jr.	Okla.	Hunter, Edwin Ford, Jr.	La.
A.B. 1924, William Jewell College		Kerslake, Youart Herbert	Md.
Bassler, Anna Bowden	Ark.	B.S. 1933, Haverford College	
A.B. 1924, A.M. 1930, The George Washington University		Krimbill, Jack Bearss	Tex.
Bentley, Osce Marbury	Ala.	Leach, John Sabin	N.C.
B.S. 1920, Howard College		A.B. 1921, Duke University	
Blaine, James William	Idaho	Miho, Katsuro	Hawaii
Bowes, Theodore Leon	Va.	Milant, Calvin Harley	Md.
B.S. 1930, University of Illinois		Mitchell, William Wilson	Del.
Butz, Harry Paul	Md.	B.S. 1928, University of Idaho	
A.B. 1922, University of Maryland		Moran, George Joseph	Ill.
Call, Edmund Rust	Kans.	Morgan, Donald Joseph	Ariz.
Cronmiller, LePage, Jr.	Md.	Nan, Carlton Leroy	Pa.
B.S. 1924, St. John's College		B.S. 1921, Gettysburg College	
Dawson, Donald Shelton	Mo.	Naylor, Walter Kent	Idaho
A.B. 1910, University of Missouri		Nelson, Harold Fletcher	Nebr.
Dence, Walter Edward	Ohio	A.B. 1922, University of Nebraska	
A.B. 1932, University of Toledo		Omtvedt, J. Norman	Minn.
DeVeau, Joseph Harold	Md.	B.S. 1926, University of Minnesota	
B.S. 1911, University of Pennsylvania		Ottis, John Gordon	N. Dak.
Dyas, Richard Campbell	Ill.	B.S. 1924, University of North Dakota	
Fieselmann, Ben William	Iowa	Pierson, William Theodore	Iowa
A.B. 1924, University of Dubuque		Pilson, Thomas Alfred	Ky.
Gammons, Robert Trafton	Mass.	A.B. 1924, Asbury College	
B.S. 1933, Massachusetts Institute of Technology		Rice, Charles Lawrence	Nebr.
Gardner, Marion Edward	Ky.	Smith, John George, Jr.	N. Y.
A.B. 1931, Berea College		Stanley, Berry Wall	Mo.
A.M. 1932, University of Illinois		A.B. 1924, William Jewell College	

Trammell, Charles Monroe, Jr. A.B. 1933, The George Washington University	Fla.	Wolf, Alan Maxwell A.B. 1933, Dickinson College	Pa.
Turner, D. Kelly	Ariz.	Wright, James Ows	Va.
Vogel, Mart Rolfe	N.Dak.	B.S. 1934, North Carolina State College	
Wagstaff, W. Stanford	Utah	Zuraw, Maria Amelia A.B. 1934, American University	D.C.

## MASTER OF LAWS

JUNE 9, 1937

Cooper, Basil Pearson B.S. 1925, Virginia Military Institute I.L.B. 1931, Harvard University	Ky.	Markwell, Katherine A. A.B. 1928, University of Kansas L.L.B. 1934, The George Washington University	Kans.
Diamond, Harold Henry B.B.A. 1918, Boston University I.L.B. 1936, The George Washington University	N.Y.		

FEBRUARY 22, 1938

Connelly, John Waldo, Jr. B.S. 1923, Georgetown University A.B. 1923, L.L.B. 1927, The George Washington University	Va.	Sailor, Hobart Andrew Graduate 1918, U. S. Naval Academy I.L.B. 1913, The George Washington University	Ohio
Hardiman, Ralph Stevens A.B. 1933, University of Minnesota L.L.B. 1936, The George Washington University	Minn.	Sherfy, Raphael A.B. 1933, L.L.B. 1936, The George Washington University I.L.M. 1937, Harvard University	D.C.

## JURIS DOCTOR

JUNE 9, 1937

Arledge, Richard F. A.B. 1930, University of New Mexico	N. Mex.	Knight, Wayne H. A.B. 1911, University of Utah	Utah
Buckhorn, Elmer Alfred B.S. 1931, Oregon State College	Oreg.	LaFarge, Charles Arch A.B. 1929, Stanford University	Wash.
Covington, Halstead Shaw (With distinction) Graduate 1922, U. S. Naval Academy	N.C.	Lechliter, Irvin A.B. 1932, University of Nebraska	Nebr.
DeFelice, Anthony Richard A.B. 1932, Wesleyan University	N.J.	Marron, Cyril Quentin Graduate 1921, U. S. Military Academy	Colo.
Foster, Bernard Augustus, Jr. A.B. 1931, Willard College	S.C.	Marahino, Ora Lee A.B. 1926, A.M. 1932, The George Washington University	Ky.
Harvey, John Augustus (With distinction) B.S. 1931, University of Illinois	D.C.	McManes, Kenmore Mathew Graduate 1922, U. S. Naval Academy	Ohio
Heisterman, Elbert George A.B. 1930, State University of Iowa	Iowa	Mitchell, Emiley Floyd A.B. 1930, A.M. 1931, The George Washington University	Md.
Hottenstein, David A.B. 1932, Western Maryland College	Md.	Muss, Frank Edward A.B. 1931, University of Utah	Utah
Jennings, William Funsten Graduate 1922, U. S. Naval Academy	Fla.	Reynolds, Charles Ramsey, Jr. A.B. 1914, Williams College	D.C.
Johnston, Russel (With distinction) A.B. 1927, University of Texas M.B.A. 1929, Harvard University	Mo.	Stout, Reed Albert A.B. 1931, University of Utah	Utah
Kittelle, Sumner Sigbee (With distinction) B.S. 1931, Purdue University	N.Y.	Underhill, Wingate Egerton B.S. 1930, University of North Carolina	N.C.
		Woods, Edwin Elmore Graduate 1922, U. S. Naval Academy	Vt.



FEBRUARY 22, 1938

Briggs, Reid Richmond	Calif.	Van Uden, Robert Thomas	Idaho
A.B. 1932, Stanford University		B.S. 1933, University of Idaho	
Morrison, Mortimer Merrill	Utah	Wilson, George Wood, Jr.	N.C.
B.S. 1933, Utah State Agricultural College		A.B. 1933, University of North Carolina	
Mortimer, George Harding	Utah		
(With distinction)			
B.S. 1936, Brigham Young University			

THE SCHOOL OF ENGINEERING  
BACHELOR OF SCIENCE IN CIVIL ENGINEERING

JUNE 9, 1937

Edmonston, Thomas Ritchie	Md.	Sheiry, John Slater	Md.
Foster, John Edward	Tex.	Sides, Donald Hilary	Va.
Manfort, Robert Carlisle	Va.	Vastia, Karl Oliver	Mont.
Myers, Marion Elliott	D.C.	Wildman, Robert April	Conn.
Rast, Donald Myron	Ariz.	Willett, Howard Clark	D.C.
Saunders, Austin Carter, Jr.	D.C.		

FEBRUARY 22, 1938

Commerford, Leon, Jr.	D.C.	Wright, Young Jefferson	Tenn.
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BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

JUNE 9, 1937

Anderson, David Frederick, Jr.	D.C.	Moseman, John William, Jr.	Md.
Blew, Forrest Allen	D.C.	O'Connell, Charles Edward	Conn.
Connor, Harry Cornelius	D.C.	Rarey, Frantz	Okla.
Dawson, Lewis J.	Md.	Reznek, Louis	D.C.
Dean, Arthur Parker	D.C.	Roeder, Carl Henry	Md.
Hepburn, Norman Clickner	D.C.	Strout, Ross Pressly	Mich.
Knoop, Frederick, Jr.	D.C.	Tritle, Edward Milton	Ill.

FEBRUARY 22, 1938

McKnight, Merwyn Newell	Va.
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BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

JUNE 9, 1937

Clark, Lester William	Mass.	Porte, Delmer Corwin	Va.
Hunter, Daniel Orren	D.C.	(With distinction)	
Nielsen, Glen	Utah	Roche, William Alfred	D.C.
O'Brien, Gerald Davis	S.Dak.	Thomas, Emerson Wood	Md.

BACHELOR OF SCIENCE IN ENGINEERING

JUNE 9, 1937

Adams, Thomas Tunstall	Va.	Koerper, Robert Allen	Tex.
Bradbury, Kent Fairfield	Maine	Shapiro, Harry Gerson	Md.
Davis, George Vroom	Pa.		

FEBRUARY 22, 1938

Schucker, Louis Ezra, Jr.	Va.
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## CIVIL ENGINEER

JUNE 9, 1937

Gray, Joseph Edward D.C.  
 B.S. 1927, The George Washington  
 University

## THE SCHOOL OF PHARMACY

## BACHELOR OF SCIENCE IN PHARMACY

JUNE 9, 1937

Bass, Joel Joseph	D.C.	Rubin, Abe	D.C.
Cohen, Leon Louis	D.C.	Symons, Julius	Mich.
Gellman, Paul	D.C.	(With distinction)	
Joyce, Clarence Gordon	Va.	Wolfe, Edward	D.C.
Maciulla, Salvatore Vincent	D.C.		

## THE SCHOOL OF EDUCATION

## BACHELOR OF ARTS IN EDUCATION

JUNE 9, 1937

Auerbach, Rita Pearl	Mich.	Hagenah, Theda	Wis.
Badian, Samuel M.	Pa.	Higuera, Margarita Maria	P.R.
Banachowski, Chester	Pa.	Howard, Laskey J.	D.C.
Belote, Hazel Eleanor	D.C.	Keil, Clara Steiner	Del.
Burger, Mary Margaret	Va.	Meira, Lois Howell	Md.
Burke, Jane Macauley	D.C.	Mooney, Elizabeth	Md.
Burney, Katherine Kernodie	Ala.	Morrow, John A.	N.I.
Burrell, Katharine Sue	Pa.	Mulquin, Donna-May Sparks	D.C.
Cline, Mary	Va.	Pearson, Gaynor	Tex.
Curry, Alma Martha	D.C.	Pile, Elizabeth Caywood	D.C.
Eastham, Lucy Beale	D.C.	Quill, Francis Eloise	Tex.
Fleischer, Helen Isenberg	Conn.	Reed, Hallie Mae	D.C.
Graves, Margaret Elizabeth	Md.	Schnautz, John Otto	Ind.
(With distinction)		Scott, Marian Emma	Md.
Griffith, Elizabeth Dickerson	D.C.	Warfield, Eugenia Elizabeth	Md.
Guinn, Gladys Elizabeth	Va.	Youngkin, Anna May	D.C.

FEBRUARY 22, 1938

Bruce, Edith Winona	D.C.	Irwin, Elsie	N.Y.
Fernsner, Evelyn Elizabeth	D.C.	Kiernan-Vaia, Helen	D.C.
Hitch, Helen Joyce	Okla.	Muus, Florence Wainwright	Va.
Hollowell, Lahuna Clinton	Md.	Phillips, Hazel Horton	Tenn.
Ireland, Ana Evelyn	Ind.	Tyne, Margaret Virginia	Md.

## BACHELOR OF SCIENCE IN HOME ECONOMICS

JUNE 9, 1937

Bryan, Agnes Lucile	Va.	Royer, Catherine E.	Ill.
Cragun, Hazel Gabbard	Okla.	Scharringer, Anna	Md.
Hand, Mary Elizabeth	D.C.	Streeter, Ruby DeLar	Nev.
Kardell, Jean Maryann	D.C.	Warner, Mildred	N.Y.
Mohagen, Edna Alice	N.Dak.	Zemantowsky, Mary T.	Conn.
(With distinction)			

## Degrees Conferred

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FEBRUARY 22, 1938

Cooley, Rachel Adeline

Utah

### BACHELOR OF SCIENCE IN PHYSICAL EDUCATION

JUNE 9, 1937

Bakum, Walter Alfred	N.J.	Leemans, Alphonse Emil	Wis.
Carter, Margaret Bruce	Va.	Plotnicki, Ben Anthony	Ind.
Duncan, Doris	Va.	Reeves, Herbert Henry	Ark.
Goldraden, Benjamin Paul	N.J.	Schonfeld, Milton	N.Y.
Herrmann, Christine Louise	D.C.	Zuber, Don	Ark.
Holley, Leila Dobbins	D.C.		

FEBRUARY 22, 1938

Carroll, Lewis Carlisle	Oreg.	Hale, Mary Janice	D.C.
Cottingham, Richard Ted	Oreg.	Mahan, Bruce	Oreg.

### MASTER OF ARTS

JUNE 9, 1937

Brownlee, Marjorie	Mo.	Neeb, Marie Marguerite	Md.
B.S. 1932, State University of Iowa		A.B. 1914, The George Washington University	
Carver, Lynda Marie	Va.	Newcombe, Elizabeth Washburn	Maine
A.B. 1924, The George Washington University		A.B. 1912, The George Washington University	
Cooper, Mary Creighton	Ill.	Phillips, Bernath Eugene	D.C.
Ph.B. 1927, University of Chicago		B.S. 1915, The George Washington University	
Gallup, Gladys G.	Wash.	Robb, Theodore	Md.
B.S. 1918, State University of Iowa		A.B. 1905, The George Washington University	
Greaney, Katherine Beatrice	Maine	Robinson, Elizabeth Winona	D.C.
A.B. 1928, Colby College		A.B. 1911, The George Washington University	
Habel, Elmer Albert	S.C.	Siffrin, Susie Utz	Md.
A.B. 1927, Wofford College		A.B. 1917, Blue Ridge College	
Hannan, Loretta	D.C.	Smith, Gertrude Bain	D.C.
A.B. 1912, The George Washington University		A.B. 1911, The George Washington University	
Henderson, Mary Ann	D.C.	Whitesell, Dena	Va.
A.B. 1914, The George Washington University		B.S. 1927, Columbia University	
Merdian, Bertha	Ill.		
A.B. 1931, The George Washington University			

FEBRUARY 22, 1938

Alexander, Helen McConnell	Ind.	Howell, James McCorkle	Okla.
B.S. 1930, University of Illinois		B.S. 1915, The George Washington University	
Andrews, Elizabeth	D.C.	Lafayette, Norman Wilfred	Maine
A.B. 1923, The George Washington University		B.S. 1915, Bates College	
Bowes, Fern H.	D.C.	Lawrence, Helen Bennett	Conn.
A.B. 1931, The George Washington University		B.S. 1914, The George Washington University	
Buttrum, Lena Heaner	D.C.	Miller, Joshua Albert	Md.
A.B. 1912, The George Washington University		B.S. 1912, University of Maryland	
Hahn, Paul Davisson	Va.	Newton, Beverly North	D.C.
B.S. 1934, Indiana State Teachers College		B.S. 1911, Wilson Teachers College	
Hoffman, Thomas Michael	Pa.	Noble, Amber Youngblood	Calif.
A.B. 1934, St. Thomas College		A.B. 1916, University of California, Los Angeles	



Price, Robert Forman A.B. 1936, Tufts College	Md.	Schult, Veryl Gladys A.B. 1927, University of Wisconsin	Wis.
Prince, Janet Christian B.S. 1927, Georgia State College for Women	Md.	Wells, Elva Coughlin A.B. 1920, The George Washington University	D.C.
Rush, Ola Day Ph.B. 1922, University of Chicago	D.C.	Wilson, Robert Beryl B.S. 1925, Cumberland University	Va.
Sachs, Cecelia Silver A.B. 1935, The George Washington University	D.C.	Worthley, Mary Genn A.B. 1924, Bates College	Maine

## MASTER OF ARTS IN HOME ECONOMICS

JUNE 9, 1937

Bruce, Zilpha Foster B.S. 1924, University of Kentucky	Ky.	Lewis, Irene A.B. 1912, The George Washington University	Kans.
Cowdill, Catherine Matilda A.B. 1924, The George Washington University	D.C.	Remsburg, Ruth Kathryn B.S. 1927, Hood College	Md.

## DOCTOR OF EDUCATION

FEBRUARY 22, 1938

Jarman, Burnice Herman B.S. 1928, Pennsylvania State Teachers College, West Chester A.M. 1932, The George Washington University Thesis: "A Study of Episcopal Secondary Schools for Boys in the United States"	D.C.
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## THE SCHOOL OF GOVERNMENT

## BACHELOR OF ARTS IN GOVERNMENT

JUNE 9, 1937

Brogren, Paul Arlington	Mich.	Mumaw, Norman Brown	D.C.
Cover, William Grant	Fla.	Pope, Ross Pinckney	D.C.
Daniels, George Charles	D.C.	Rabenovets, Judas Samuel	Kans.
Earl, Joseph Donald	Nev.	Ross, Carey Oscar	Va.
Gelwick, Corinne Adele	Mich.	Russell, Armistead Gonde	Va.
George, James Henry	Md.	Saunders, Robert Milton	D.C.
Hartung, Elizabeth	D.C.	Scully, Charles Burleigh	D.C.
Heckel, Albert Allford	Ill.	Tevsky, Marvin	D.C.
Howe, William Ernest	D.C.	Williams, Jean Elizabeth	S. Dak.
Kavalier, Frank James	Ill.	Williamson, Edward Edwin	D.C.
Kiesel, Harold Milton	Ind.	Wilson, John Randolph, Jr.	D.C.
McCain, Asa Madison	Ark.	Wyeland, Lloyd George	W. Va.
McCoy, Charles Thomas	Ind.	Wyckoff, Justin Vance	Wyo.
Montes, Lolita Flora	Fla.	Young, John E.	

FEBRUARY 22, 1938

Armstrong, Charles Francis	Va.	Perry, Mary Frances	N.C.
Barlow, Milton Allan	Utah	Roe, Austin Gerard	R.I.
Hirsch, Frank William, Jr.	Fla.	Walstrom, John Anthony	Mo.
Lamson, Glenn Graham, Jr.	Tex.	Wilkie, Edward Charles	D.C.
Marapao, Simeon P.	P.I.	Wood, Frank Luther	N.J.
Marsh, Samuel Woodward	Va.	Wright, Harvey Cecil	N.Y.
Ogilvy, Lester Edwin	Ohio		

## Degrees Conferred

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### MASTER OF ARTS IN GOVERNMENT

JUNE 9, 1937

Byrd, Daniel Madison, Jr. Ph. B. 1936, Emory University	Ga.	Rowe, Chauncey Oswald B.S. 1935, University of Utah	Utah
Mohrman, Verma Clotie A.B. 1934, The George Washington University	N. Dak.		

FEBRUARY 22, 1938

Cutran, Harold Webb A.B. 1932, The George Washington University	Md.	Goudy, Arthur Selig A.B. 1935, The George Washington University	D.C.
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### THE DIVISION OF LIBRARY SCIENCE BACHELOR OF ARTS IN LIBRARY SCIENCE

JUNE 9, 1937

Brown, Dorris A. A.B. 1931, Arkansas State Teachers College	Ark.	Robb, Seymour Stowell, Elizabeth Swick, Frances Reba Van Mats, Evelyn Winfield, Claire Campbell A.B. 1924, University of Pittsburgh	Va. Fla. Md. Va. Pa.
Clark, Margaret Heck Harding, Dorothy Heas, William Henry A.B. 1930, Whitman College	D.C. Md. Wash.	Zierdt, Martha Elizabeth B.S. 1921, George Peabody College for Teachers	D.C.
Lockhart, Bertha Mary Markfield, Israel Nathaniel Murray, Gertrude Louise A.B. 1936, University of Maine	D.C. N.Y. Maine		

FEBRUARY 22, 1938

Wiener, Minnie B.S. 1920, College of the City of New York A.M. 1932, Hunter College	N.Y.
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### MASTER OF ARTS IN LIBRARY SCIENCE

JUNE 9, 1937

Senior, Mildred Ruth A.B. 1929, The George Washington University B.S. 1930, Columbia University	Kans.
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FEBRUARY 22, 1938

Rees, Howard David A.B. 1934, The George Washington University	Md.
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### THE DIVISION OF FINE ARTS BACHELOR OF ARTS

JUNE 9, 1937

Berry, Jasper Mauduit, Jr. Birnmy, Doris Elizabeth Cofe, Elizabeth Hollowell Hanley, Gussie Mae	Md. Md. D.C. D.C.	Kerr, Francis Kenneth McClure, Harlan Ewart Neff, Julia Elizabeth	D.C. D.C. Miss.
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FEBRUARY 22, 1938

Spence, John McClurkin

Va.

## BACHELOR OF ARCHITECTURE

JUNE 9, 1937

Boutin, Harold Lester  
A.B. 1936, The George Washington  
University

Mo.

Burn, Lester Truman  
Hawes, Richard Paulison  
McClure, Harlan EwartD.C.  
D.C.  
D.C.

## MASTER OF ARTS

JUNE 9, 1937

Knechtle, Velma Electra  
A.B. 1935, The George Washington  
University

Colo.

## MASTER OF FINE ARTS

JUNE 9, 1937

Chamberlain, Muriel Ruth  
A.B. 1935, B.F.A. 1936, The George  
Washington University

D.C.

## HONORARY DEGREES

JUNE 9, 1937

Manning, Helen Taft—*Doctor of Laws*  
Peet, Elizabeth—*Doctor of Pedagogy*Strong, Hattie Maria—*Doctor of Laws*

FEBRUARY 22, 1938

Graves, Frank Pierrepont—*Doctor of Laws*  
Jack, Theodore Henley—*Doctor of Letters*Shimer, William Allison—*Doctor of Laws*



# SCHOLARSHIPS AND AWARDS

## HOLDERS OF SCHOLARSHIPS

1937-38

- The Byron Andrews Scholarship:* Rosalind Virginia Lovell.  
*The Emma K. Carr Scholarships:* John Gage Allee, Forbes Hathaway Burgess, Edwin Menton Cate, Benjamin Joseph Chester, Bernard Briscall Chew, Marcus Peter Goumas, Robert Barrow Hanks, Gaynor Pearson, Walter Deane Rose, Felix Abraham Silverstone, Kenneth Richard Sumner, Lincoln Joseph Swann, Sidney Wexer, Henry Westraab, Harmon Scott Wilkinson.  
*The Citizens' Military Training Camps Scholarship:* Harry Morsehead Cook.  
*The Columbian Women Scholarships:* Emily Margaret Allen, Ella Selma Fraser, Barbara Jacqueline Logan, Maryaret Audrey McDowell, Sally Lois Steele.  
*The Isaac Davis Scholarship:* Virginia Bennett Moore.  
*The Debate Scholarships:* Martin Leo Braver, James Mason Klaasse.  
*The Eastern Star Scholarship:* Barbara Weems McMullen.  
*The Robert Farnham Scholarship:* Jessie Carleton Calver.  
*The Elma Lewis Harvey Scholarship:* Katherine Marsh Eneix.  
*The High School Scholarships:*  
*Amor Kendall Scholarship:* Nicholas Trephon Cokenias.  
*University Scholarships:* Pierce Hilding Beu, Helen Lindsley Brown, Ira Vernon Brown, Sue Stokely Burnett, Catherine Howell Caffey, Elsie Mae Carper, Katherine Dacy, Courtland Hatwell Davis, Jr., Gail Richard Dawson, George Samuel Huddleston, Stanley William Kistner, Betty Kossow, Frank Thomas McGowan, Mary Jane Morrison, Richard Ross Robert, Eleanor Estelle Sherburne, Frances Anne Thomas.  
*The Knights Templar Fellowships:* Daniel Madison Byrd, Jr., Hal Templeton Gibson.  
*The John Hitz Metzgerott Scholarship:* Uthai Vincent Wilcox II.  
*The Mary Lowell Stone Scholarship:* Jane Wenonah Roller.  
*The Trustee Scholarships:* Carter Milburn Bowen, Suzanne Lisner Herbert, Gordon Fred Koch, Michael Peter McKool, Manuel Jose Mender, Homer Chapin Wick, Jr.  
*Halt Tustion:* Marcel Henri Paul Van Hemert.  
*The John Withington Scholarship:* Emily Ann Sparks.  
*The Ellen Woodhull Scholarship:* Jessie Carleton Calver.

## AWARDS

1936-37

- Alpha Chi Sigma Freshman Prizes in Chemistry:* Gustavo S. Belaval, Charles Henry Grogan, Hyman Benjamin Kaitz.  
*Alpha Chi Sigma Senior Prize in Chemistry:* Benjamin Lawrence Davis.  
*Alpha Delta Pi Prize in French:* Virginia Doolley Reese.  
*Alpha Delta Theta Prize in Chemistry:* Anna Snively Riley.  
*Alpha Kappa Psi Prize in Commerce:* Norman Brown Mumaw.  
*American Institute of Chemists Prize in Chemistry:* Ernest Joy Umberger.  
*Beta Phi Alpha Prize in Zoology:* Mary Jean Yocum.  
*Byrne Thurtell Evans Memorial Prize in Chemistry:* Richard Castleman Evans.  
*Chi Omega Prize in Social Sciences:* Margaret Elizabeth Graves.  
*Colonial Dames Prize in History:* John Beverley Rogers.  
*E. K. Cutter Prize in English:* Davis Phileon Harding.  
*Daughters of the American Revolution Prize in American History:* Theodore Rosenberg.  
*Leon Davis Prizes in Public Speaking:*  
 First: Charles Frederick Kiefer.  
 Second: Austin Gerard Roe.  
 Third: Edward Crawford Kemper.  
*William Thurnwall Davis Prize in Ophthalmology:* John Philip Clum.  
*Delphi Prize in Scholarship and Activities:* Esther Yanovsky.  
*Delta Sigma Rho Prizes to the Winners of the Interfraternity Debates:* Alpha Delta Pi, Acacia.  
*Delta Tau Delta Activity Prize:* Paul Arlington Brogren.  
*Ellsworth Prize in Patent Law:* George Harding Mortimer.  
*Elton Prize in Greek:* Marshall Clagett.

European History Prize: Ruth Edna MacMillan.  
 Joshua Evans III Memorial Prize in Social and Political Sciences: Ross Pinckney Pope.  
 Willie E. Hutch Prize in Chemistry: Carroll Clayton Cassil.  
 French Government Prize in French: Louise May Seifert.  
 Edward Carrington Goddard Prize in French: Alice Babette West.  
 James Douglas Goddard Prize in Pharmacy: Julius Symons.  
 Morgan Richardson Goddard Prize in Commerce: Edmund Lewis Browning, Jr.  
 Samuel Herrick Prize in Law: Bernard Margolius.  
 Hispanic American History Prize: Elizabeth Pangburn Brandes.  
 Hour Glass Prize for Sophomore Scholarship: Marjorie Florence Allen.  
 Gardner G. Hubbard Memorial Prize in History: Joseph Bernard Goldman.  
 Henry F. Kaliszowski Prize in Pharmacy:  
 Junior Prize: Everett Dean Otey.  
 Senior Prize: Julius Symons.  
 Kappa Delta Prize for Freshman Scholarship: Nancy Nimitz.  
 Kappa Kappa Gamma Prize in Botany: Jean Westcott Appel.  
 John Bell Larnier Prize in Law: Sumner Sigsbee Kittelle.  
 John Ordronaux Prize in Law:  
 First Year: George Roberts Brown.  
 Second Year: Robert Baisow Hankins.  
 John Ordronaux Prize in Medicine: Saul Holtzman.  
 Phi Eta Sigma Prize for Freshman Scholarship: Gustavo S. Belaval.  
 Phi Sigma Kappa Prize to the Winner of the Freshman Oratorical Contest: Calvin Macell Cory.  
 Pi Beta Phi Activity Prize: Margaret Elizabeth Graves.  
 Pi Lambda Theta Prize for the Most Meritorious Master's Thesis in Education: Gladys G. Gallup.  
 Sigma Kappa Prize in English: Charles Frederick Swann.  
 Staughton Prize in Latin: Genevieve Viola Wiley.  
 James M. Pringle Stewart, Jr., Prize in Physics: Daniel Herman Gerson.  
 Charles Clinton Smucker Prize in History: John Edwin Willard.  
 Thomas F. Walsh Prize in History: Gene William McPike.  
 Alexander Withburne Weddell Peace Prize: Carroll Hilliard Duckerman.

## STUDENT ASSISTANTS

1937-38

Botany: Jack Rodney Harlan, Eugene Clarence Larsen, Mary Elizabeth Pierce.  
 Business Administration: Malcolm Irving Mintz, Charles Wilmer Picken.  
 Chemistry: Fred Benson Agee, Jr., Robert Crocker Branted, Bernard Fonoroff, Joseph Grodsky, James Merrick Hall, Albert Rutledge Martin, Robert Thomas O'Connor, Seymour Podnos, Edward Joseph Prosen, William Frederick Sager, Russell Settle, Donald David Wagman, Edward Wagman, Eleanor Werble.  
 Civil Engineering: Horace Leedom Lefferts.  
 Economics: Harold W. Curran, Kenneth Walter Eells, Albert Huber, Peyton Armstrong Kerr.  
 Education: Winifred Nichols Ross, Marcel Herin Paul Van Hemert.  
 Geology: Celeste Donney, Amanda Charlotte Jones.  
 Geology: William Heyden Easton.  
 History: Anna Thornton Baker, Norman Albert Pierre, Jane Phillips Rameyer.  
 Law: Lloyd Fletcher, Daniel Kerfoot Medill.  
 Mechanical Engineering: John Brewster Willis.  
 Physical Science: Daniel Madison Byrd, Jr., Theodore Kay Pasma, Harmon Scott Wilkinson.  
 Psychology: Marianna Ruth Bortner, Sylvia Gold Cohen, Lillian Sondra Maltz, Nancy Harrison Sents.  
 Sociology: Virginia Constance Dawson.  
 Zoology: Margaret Belnick, Jessie Carleton Calver, Alex F. Castro, Sui Fong Chen, Alison Renee Clabin, James Abbott Fowler, Lilian Gladden Graves, Albert Ingram Lansing, Eleanor Cadwell Pugh, Armand Joseph Salurelli.

# STUDENTS REGISTERED

1937-38

The names of all students registered during the regular sessions in all Colleges, Schools, and Divisions of the University appear in alphabetical order. Students who withdrew at the close of the first semester by graduation are indicated by an asterisk (\*); others who were registered for the first semester only are indicated by a dagger (†); students registered for the second semester only are indicated by a double dagger (‡).

The College, School, or Division in which the student is registered is indicated after each name. Arabic numerals indicate the semester-hours of credit at the date of first registration for the 1937-38 regular sessions. Roman numerals after the names of students in the School of Medicine and the Law School indicate the year of the course in which each student is registered.

The following abbreviations are used:

*Jun.*—The Junior College  
*Col.*—Columbian College  
*Grad.*—The Graduate Council  
*Med.*—The School of Medicine  
*Law.*—The Law School  
*Eng.*—The School of Engineering  
*Phar.*—The School of Pharmacy

*Ed.*—The School of Education  
*Govt.*—The School of Government  
*Univ.*—The Division of University Students  
*L. S.*—The Division of Library Science  
*F. A.*—The Division of Fine Arts  
*Uncl.*—Unclassified

A		
†Aaker, Mabel Ovidea (Col. 60½)	N Dak.	
†Aamodt, Margaret Caroline (Govt. 59)	Minn.	
Aaronson, Eva Goldner (Col. 99)	Okla.	
Aaronson, Franklin M. (Univ.; Jun. 56)	D.C.	
Aaronson, Sylvia May (Univ.; Ed. A.M.)	D.C.	
B.S. in Ed. 1936, Wilson Teachers College		
Abarca, Enrique Geronimo (Jun. 57)	P.R.	
†Abbe, Margaret (Col., A.M.)	D.C.	
A.B. 1935, Elmira College		
Abbott, Sara (Univ.)	Mo.	
Abe, Paul Yozo (Univ.)	Oreg.	
Abell, John Dean (Univ.)	D.C.	
†Abelman, Percival Joseph (Law I)	Del.	
A.B. 1934, University of Delaware		
†Abraham, Alexander (Law I)	N.Y.	
A.B. 1933, Brooklyn College		
A.M. 1935, Columbia University	Pa.	
†Abraham, Fred George (Jun. 21)	N.Y.	
Abramowitz, Abraham (Law I)		
A.B. 1935, Brooklyn College	N.Y.	
Abrams, Edward (Law I)		
B.S. 1933, College of the City of New York		
Abrams, Sophie (Jun. 27)	Md.	
†Abrash, William Jennings (Univ.)	D.C.	
A.B. 1935, University of Michigan		
†Aceves, Adelaida Ramirez (Univ.)	Mexico	
†Acheson, Elisabeth Murrell (Univ.)	Va.	
†Achstetter, Christian John (Univ.)	D.C.	
Aase, Ellen Gray (Col., A.M.)	Va.	
A.B. 1926, University of Richmond		
Adams, Bernard William (Law II)	D.C.	
A.B. 1934, University of Minnesota		
Adams, Edmond (Univ.)	Mich.	
Adams, George Alton (Med I)	Pa.	
A.B. 1937, Maryville College, Tennessee		
Adams, George David (Jun.)	D.C.	
Adams, Leonard Townson (Ed. 198)	Va.	
Adams, Lois Margory (Law III)	Ohio	
A.B. 1936, The George Washington University		
Adams, Loma Arndt (Univ.)	D.C.	
†Adams, Robert Waring (Govt. 60)	N.Mex.	
Adams, Thomas Tunstall (Law II)	Va.	
B.S. 1937, The George Washington University		
†Adams, Zelene Birge (Univ.)	D.C.	
Addington, Orville Waldo (Col., A.M.)	D.C.	
B.S. 1931, Emory and Henry College		
Adelson, Eugene (Jun.)	N.Y.	
Adler, Seymour (Jun. 57)	D.C.	
†Adler, Vance Wolfe (Jun. 30)	Calif.	
Agge, Fred Benson, Jr. (Jun. 58½)	D.C.	
†Ageloff, Louis J. (Univ.)	N.Y.	
†Ager, Howard Carleton (Law I)	Mont.	
A.B. 1933, Montana State University		
Aguiar, Pedro Orque (Univ.)	P.I.	
Aguiar, Miguel R. (Govt., A.M.)	P.I.	
B.S. 1934, University of Kansas		
Ahalt, Alice Pilmer (Jun. 36)	Va.	



Ahrens, Thomas Patrick (Col. 102, A.M.)	Mont.	†Allen, Ruth Augusta (Govt. 60)	D.C.
B.S. 1938, The George Washington University		Allen, Thomas Wayne (Jun. 13)	Pa.
†Aichele, George (Law I)	Ill.	†Allen, Walton Stanley (Law III)	Okl.
B.S. 1932, University of Illinois		†Aller, Louis (Univ.)	D.C.
†Aiken, Richard (Ed., A.M.)	D.C.	Ph.B. 1936, University of Chicago	Idaho
B.S. in Ed. 1933, Kent State University		Alley, Phyllis Emma (Jun. 45)	Va.
Aist, Dudley Clark (Ed., A.M.)	Md.	†Allison, Allonzo Cotton (Jun.)	Ind.
A.B. 1930, American University		Allison, James Robert (Eng. 46)	D.C.
†Aitchison, Beatrice (Univ.)	Oreg.	Allison, Samuel Francis (Law I)	
A.B. 1928, Goucher College		A.B. 1925, B.S. 1927, Susquehanna University	Mo.
A.M. 1911, Ph.D. 1933, Johns Hopkins University		Allison, Sarah B. (Jun. 38)	D.C.
A.M. 1937, University of Oregon	D.C.	†Allwine, Martin Aiken (Univ.)	Ala.
†Aker, Frances E. (Univ.)	Ky.	A.B. 1916, American University	
Akers, Edna (L.S. 66½)	N.Y.	Almgren, Frederick Justin (Law I)	
†Akman, Leonard Carl (Jun.)	D.C.	B.S. 1924, Alabama Polytechnic Institute	D.C.
Albamonte, Anthony (Jun. 9)	N.Y.	Alpert, Rena Grace (Law I)	
Albright, Pauline Elsa (Jun. 16)	Ill.	A.B. 1937, Hunter College	D.C.
Alden, Cyril Lawrence (Jun. 36)	Min.	†Alpher, Ralph Oscar (Jun.)	Utah
Alden, Manning Wallace (Jun. 69; Col.)	Md.	Alsup, William Wallace (Law II)	D.C.
†Alderman, Frank Horace (Univ.)	D.C.	Altatetter, Mabel Flick (Univ.)	
†Alderman, John D. (Col. 69)	Fla.	B.S. 1929, A.M. 1935, George Peabody College for Teachers	P.R.
Aldrich, Clair M. (Univ.)	Utah	†Alvarez, William H. (Univ.)	
†Aldrich, June Charlotte (Jun.)	Iowa	Alvather, Helen Lesly Winifred (Univ.; Ed. 65½)	D.C.
Alex, Frances Clement (Jun. 50; Ed.)	D.C.	†Alvord, Charles Hulbert, Jr. (Jun. 24)	Tex.
Alexander, Angus (Univ.)	D.C.	†Amato, David Morris (Col. 81)	D.C.
Alexander, Frederica (Law II)	Conn.	Ambler, George Chester (Jun. 80)	Pa.
A.B. 1916, Vassar College		Amend, John Frederick (Jun. 15)	N.Y.
M.D. 1920, Cornell University		Amendula, Edward (Jun.)	Calif.
Alexander, Lorraine (Jun.)	Tex.	Ames, Dorothy Louise (Jun. 66½)	D.C.
Alexander, Nell Stirling (Jun. 51)	Ky.	Ames, Harry Clifton, Jr. (Law III)	
Alexander, Roy Malcolm (Jun. 46)	Pa.	A.B. 1926, The George Washington University	W.Va.
Alexander, Thomas Robert (Univ.)	N.C.	Amick, Frederick Eugene (Jun. 47)	Md.
A.B. 1919, Davidson College		Amig, Margaret Charlotte (Univ.)	
B.D. 1922, Union Theological Seminary, Virginia		A.B. 1919, Goucher College	Conn.
A.M. 1930, Duke University		A.M. 1924, Wellesley College	Calif.
Alfaro, Eduardo (Law III)	Panama	Ammerman, Harvey (Jun. 55)	
Alford, Bernard S. (Col., A.M.)	Mieh.	Anda, Magnus (Eng. 108)	D.C.
A.B. 1931, The George Washington University		B.F.S. 1926, Georgetown University	Wash.
Alford, Leonard Bertram (Law III)	Okl.	†Anders, Katherine Louise (Univ.)	
A.B. 1931, University of Oklahoma		†Andersen, Agnes R. (Univ.)	
Alfriend, Edward Woolfolk (Jun. 18)	Va.	A.B. 1916, University of Washington	S.Dak.
Algire, Kent Duvall (Law III)	Md.	Andersen, Alice Klopstad (Jun. 51)	D.C.
†Alker, Robert Thomas (Law I)	Pa.	Andersen, Arthur Olaf (Law I)	
B.Arch. 1911, University of Pennsylvania		B.S. 1933, Worcester Polytechnic Institute	N.Y.
†Allan, Harry Williams (Univ.)	Md.	Andersen, Daniel J. (Law II)	
Allee, John Gage (Ed. 66)	Mont.	A.B. 1917, The George Washington University	Va.
†Alleman, Irvin Ellwood (Univ.)	Pa.	Anderson, Alexander (Jun. 18)	D.C.
Allen, Anna Mae (Jun.)	N.J.	†Anderson, Alton DeWitt (Jun.)	S.Dak.
†Allen, Collis Cherrington (Jun.)	Va.	Anderson, Arthur M. (Govt. 104)	Mass.
Allen, Emily Marguerite (Jun.)	D.C.	Anderson, Arvid Ruben (Govt. 90)	S.Dak.
Allen, Eugene Ward (Col. 60)	D.C.	Anderson, Dale (Govt. 91)	Va.
†Allen, Eva Ruth (Jun. 77)	W.Va.	Anderson, David (Univ.)	Va.
Allen, Harwell Leonard (Law I)	La.	†Anderson, Dwight Halsey (Jun.)	Va.
A.B. 1936, Louisiana College		†Anderson, Ellen Lamon (Univ.)	
Allen, Henry Edward (Govt., A.M.)	Tex.	A.B. 1931, A.M. 1933, The George Washington University	S.Dak.
B.S. in Commerce 1914, Washington and Lee University		†Anderson, Eunice Kathryn (Univ.)	Utah
Allen, Hugh Arthur, Jr. (Jun. 39)	Va.	Anderson, Garfield O. (Law III)	N.C.
†Allen, Lewis Bouse (Jun., Und.)	Ohio	A.B. 1914, University of Utah	Iowa
Allen, Mabel Randolph (Ed., A.M.)	Va.	Anderson, George Nathan (Jun. 59)	D.C.
A.B. 1924, University of Richmond		Anderson, Gilbert I. (Col. 85)	N.Y.
Allen, Marjorie Florence (Jun. 66)	D.C.	†Anderson, Harriette J. (Univ.)	Utah
Allen, Morse (Law I)	Iowa	Anderson, Helen (Jun. 35)	
Allen, Roy Charles (Univ.)	D.C.	Anderson, Howard Jeremy (Law II)	Tenn.
		A.B. 1936, University of Utah	
		Anderson, Jean Olive (Jun. 24)	

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Bailey, James Keck (Law II)	Pa.	†Bannerman, Mary Lucia (Jun. 44)	Va.
A.B. 1915, Thiel College		Bannerman, Ruth Shauck (Col. 114)	Va.
Bailey, John Joseph (Univ.)	D.C.	Bannon, Francis L. (Law I)	Wash.
†Bailey, Josephine Jeannette (Jun.)	D.C.	†Bantz, Adeleine Vinden (Univ.)	Ill.
Bailey, Linwood Kersey (Col., A.M.)	Ohio	Bargua, Lawrence (Univ.)	N.Y.
A.B. 1930, The George Washington University		B.S. 1910, College of the City of New York	
Bailey, William Otis, Jr. (Med. II)	Va.	B.S. in Eng. 1935, The George Washington University	Va.
†Bain, Wendell Henry (Col., A.M.)	Iowa	Baptist, Thomas Goode (Law III)	D.C.
A.B. 1915, The George Washington University		Barauskas, Anthony Peter (Jun.)	Va.
Bair, Dorothy Ruth (Jun. 112)	Mich.	Barbee, William Clifford (Govt. 84)	Mass.
Bair, Edward William (Eng.)	D.C.	†Barber, Charles Hubert (Col. 121 3/4)	Calif.
Bair, Ellsworth Parthemore (Jun. 29 1/4)	D.C.	†Barber, Frederick Willard (Jun. 56)	Ark.
†Bair, Nellie Rast (Jun.)	S.C.	Barber, Stuart Bogart (Law II)	
*Baker, Alida Annet (Col. 118)	Mass.	A.B. 1914, Dartmouth College	
Baker, Anna Thurman (Col., A.M.)	Va.	Barbour, Robert Taylor (Law I)	Md.
A.B. 1917, The George Washington University		Barbuto, Anthony Robert (Eng. 9)	Conn.
†Baker, Chester Heaton (Univ.)	D.C.	†Barefoote, William Whitehurst (Univ.)	N.C.
Baker, Edgar Robey (Jun.)	D.C.	Barger, Alphonso Sledge (Law II)	Ala.
Baker, Edward Arnold (Eng. 96)	D.C.	B.S. 1932, Howard College	
†Baker, Henderson Marshall (Jun.)	N.C.	Barker, Ernest Milton (Law I)	Ga.
Baker, Henry Mason (Jun.)	Ill.	B.S. 1915, University of Arkansas	
Baker, John Walton (Law III)	Mich.	†Barker, Frances Dorothy (Jun.)	Ill.
Baker, Maurine (Jun.)	Ill.	Barker, William Samuel, Jr. (Univ.)	Tenn.
†Baker, Nathan Grahame (Eng. 56)	D.C.	A.B. 1915, King College	
B.S. 1931, Marshall College		†Barkley, Mabel A. (Ed., Ed.D.)	D.C.
Baker, Nellie Catherine (Univ.)	Pa.	B.S. 1925, A.M. 1927, George Peabody College for Teachers	
Baker, Robert Merritt (Jun. 66; Col.)	Colo.	Barkman, William Ernest (Ed., Ed.D.)	D.C.
†Baker, Russell Curtis (Eng. 36)	Nev.	LL.B. 1923, A.B. 1916, A.M. 1917, The George Washington University	
Baker, Stewart Lee (Jun.)	D.C.	†Barlow, Joel (Univ.)	D.C.
Balch, Moulton H. (Jun. 65)	Maine	A.B. 1920, Alma College	
Balcom, Margaret MacDonell (Jun. 30)	Md.	LL.B. 1915, The George Washington University	
Balcom, Nanita MacDonell (Univ.)	Tenn.	Barnard, Elizabeth Casel (Jun. 70)	D.C.
A.B. 1910, A.M. 1934, Vanderbilt University		Barnard, Francis LaVerne (Jun.)	Idaho
Baldinger, Leonard (Jun. 46)	Pa.	†Barnes, Carl Belton (Jun.)	S.C.
Baldwin, Charles Franklin, Jr. (Jun. 36)	Calif.	Barnes, Cecelia Ida (Jun.)	D.C.
Baldwin, Franklin Hunter (Univ.)	D.C.	Barnes, F. Geraldine (Jun.)	Kans.
Baldwin, Helen Louise (Jun. 39)	D.C.	Barnes, Joseph Francis (Law I)	Va.
†Baldwin, Jean Cameron (Jun. 96)	Va.	B.S. in Eng. 1923, University of Michigan	
Baldwin, Thomas Robbins (Law I)	D.C.	Barnes, Lillian Pearl (Jun. 96; Col.)	N.C.
B.S. in C.E. 1913, The George Washington University		†Barnes, Mary Helen (Univ.)	Va.
†Bales, Ernest (Eng. 4)	Va.	A.B. 1902, Mary Baldwin College	
Ball, Edward Lee (Law II)	Ala.	B.S. in Ed. 1925, M.S. 1926, University of Virginia	
Ball, Frederic Joseph (Law I)	Ohio	Barnes, Phyllis Elaine (Jun. 18)	Ill.
A.B. 1925, Heidelberg College		Barnes, Ruby May (Ed. 60)	Minn.
Ball, Frederic Leslie (Med. IV)	Wash.	Barnes, Ruth Ellen (Ed. 87)	D.C.
B.S. 1931, University of Washington		†Barnes, Stell (Col. 46)	D.C.
Ballard, Richard Patten (Univ.)	Colo.	Barnett, Lester Alfred (Med. III)	N.J.
Ballard, Ruby J. (Univ.)	D.C.	A.B. 1916, The George Washington University	
†Ballinger, Willis Jerome (Law I)	Md.	†Barnwell, William Eugene (Univ.)	Ga.
Ph.B. 1923, Yale University		B.S. 1911, Presbyterian College	
Ballou, Ewing Jay (Eng. 43)	D.C.	†Barr, Arthur Claude (Jun.)	D.C.
Balmer, Harry Arnold (Eng. 26)	Pa.	†Barr, Dorothy Lillian (Jun.)	D.C.
†Balwanz, James Henry (Univ.)	Ohio	†Barrett, Aulden Parrish (Eng.)	D.C.
Balwanz, William W. (Eng. 49)	Ohio	Barrett, William Waldo (Jun.)	Utah
Banachowski, Chester (Ed., A.M.)	Pa.	†Barron, William Wiley III (Col., A.M.)	Ga.
A.B. 1917, The George Washington University		B.S. 1914, University of Georgia	
Bandel, David (Col. 84)	D.C.	Barry, Alma (Univ.)	Wis.
Bane, Jack Miles (Jun.)	D.C.	Barstow, Wade Newman (Eng. 28)	R.I.
Banks, Don H. (Law I)	Utah	Bartels, Winona Evelyn (Jun.)	Ill.
Banks, Elizabeth Anna (Law I)	Conn.	†Bartha, Louis Michael (Jun.)	D.C.
A.B. 1922, The George Washington University		Barton, Blayne Jones (Law III)	Utah
Bannerman, Graeme Campbell (Law, LL.M.)	D.C.	Barton, Charles Edwin (Ed., A.M.)	D.C.
B.S. 1931, Hamilton College		A.B. 1934, Juniata College	
LL.B. 1936, The George Washington University		Barton, Floretta Gibson (Ed., A.M.)	D.C.
		A.B. 1910, Northwestern University	



Barton, Jackson Arthur (Med. I)	Mass.	†Beall, Dorothy Joyce (Col., A.M.)	D.C.
B.S. 1936, Massachusetts State College		LL.B. 1922, A.B. 1928, The George Washington University	
†Barton, Robert Gordon (Univ.)	Calif.	Beall, Marjorie (Jun. 9)	Md.
†Bartos, Mike Jerome (Jun. 9)	D.C.	Beall, Phoebe Jane (Jun. 40)	D.C.
Bash, Janice Hamilton (Jun. 4)	Pa.	Beall, Stewart Hall (Eng. 11)	Va.
Baskin, Lewis (Univ.)	D.C.	Beall, Walter Lemuel (Jun. 6)	D.C.
†Baskin, Meyer Albert (Law II)	D.C.	Beall, Ward Hugo (Col. 113)	D.C.
B.S. 1922, Harvard University		†Beane, Catherine Leola (Univ.)	Md.
M.S. 1924, Massachusetts Institute of Technology		Beane, John Richard Leroy, Jr. (Eng. 106)	D.C.
†Bass, Miriam (Univ.)	D.C.	Beane, Herrick Franklin (Univ.)	Maine
†Bass, Molly (Jun. 12)	N.J.	Beasley, Cecil Ackmond (Law II)	D.C.
Bassett, Ellsworth Watson (Eng. 17)	Va.	A.B. 1935, Princeton University	
Bassett, John Earl (Col. 114)	D.C.	†Beasley, Delmar Otis (Law III)	Miss.
LL.B. 1922, The George Washington University		A.B. 1914, The George Washington University	
†Bassett, Octavia Revere (Ed. A.M.)	D.C.	†Beasley, Herman Clay (Univ.)	Va.
B.S. 1915, Cornell University		Beatty, Robert William (Eng. 123)	Md.
Bassford, James Cockrell (Jun. 51)	Md.	Becker, Edmund F. (Col. 83)	D.C.
†Basson, Beatrice Sylva (Jun. 18)	N.Y.	Beckerman, Lawrence (Law II)	N.Y.
Barchelor, Grace Edna (Univ.)	D.C.	A.B. 1934, Brooklyn College	D.C.
Barteman, Jeanne Cecile (Col. 82)	D.C.	Bedaworth, Estelle Olevia (Jun.)	Kans.
Bateman, Richard Herbert (Law I)	N.C.	Bebe, John Eliott (Law I & Univ.)	
A.B. 1927, University of North Carolina		A.B. 1917, Municipal University of Wichita	
†Bates, Daniel Walker (Govt. 69)	Calif.	†Bebe, Mary Abearn (Univ.)	Ariz.
Bates, Elizabeth Coates (Jun. 10)	D.C.	Bebe, William Dow (Eng. 11)	Conn.
†Bates, Henry Anson (Univ.)	Conn.	Been, Richard Olof (Col., A.M.)	Mich.
B.S. 1916, Dartmouth College		A.B. 1917, The George Washington University	
†Batson, Kenneth (Jun. 46)	D.C.	Beer, Grace Sylvia (Jun. 28)	N.J.
Batta, John William, Jr. (Univ.)	Ga.	Behn, Eric R. (Law I)	N.Y.
B.S. 1937, Georgia School of Technology		B.S. in E.E. 1912, Cooper Union Institute of Technology	
Bauer, Grace Margaret (Col., A.M.)	D.C.	M.E.E. 1917, Polytechnic Institute of Brooklyn	
A.B. 1932, The George Washington University		Behn, Victor Dietrich (Law I)	N.Y.
Bauersfeld, Carl Frederick (Jun.)	Md.	B.S. in E.E. 1931, Cooper Union Institute of Technology	
Baulsir, George Edward (Univ.; Col., A.M.)	D.C.	A.M. 1916, The George Washington University	
B.S. 1937, The George Washington University		Behneke, Norma Louise (Jun. 30)	D.C.
Baumgardner, Woodrow Alvin (Law I)	Tenn.	†Behrendt, Peter Heinrich (Law I & Univ.)	Germany
A.B. 1934, Lincoln Memorial University		Behrens, Arthur Hilstad (Law I)	Wash.
†Baumgarner, Julia Jeanne (Jun.)	Ind.	B.S. in Ch.E. 1934, University of Washington	
Baxter, Cecil Clayton (Jun. 44)	D.C.	Behuncik, John Edward (Law I)	Conn.
†Bayard, Betty (Jun.)	Va.	Beij, Pierce Hilding (Jun.)	D.C.
Bayes, Guy M. (Law II)	Ky.	Belaval, Gustavo S. (Jun. 40)	P.R.
†Bayh, Birch Evans (Ed., Ed.D.)	Md.	Belaval, Lister (Med. I)	P.R.
A.B. 1917, Indiana State Teachers College		Belen, Frederick Christopher (Law I)	Mich.
A.M. 1932, Columbia University		A.B. 1917, Michigan State College of Agriculture and Applied Science	
Bavles, James Madison, Jr. (Law II)	N.J.	†Belin, Luke C. (Jun. 12)	Fla.
A.B. 1914, Dartmouth College		Bell, Charles Jasper, Jr. (Univ.)	Mo.
Bavles, John Hocking (Univ.)	D.C.	Bell, George M. (Law I)	Utah
Bayly, Emily Graburn (Jun. 80)	D.C.	B.S. 1935, Utah State Agricultural College	
†Baynes, William Crowell (Col. 65)	Minn.	Bell, Hannah Perley (Col. 103)	D.C.
†Baysov, Ibrahim Bokri (Eng. 101)	Turkey	Bell, John Edward (Jun.)	D.C.
Bazan, Horace Buchanan (Jun. 16)	Ohio	Bell, John O. (Law II)	Va.
Beach, Anne de Beaupre (Col., A.M.)	Md.	B.S. 1914, The George Washington University	
A.B. 1917, The George Washington University		†Bell, Robert Lee (Univ.)	Tenn.
†Beach, John (Univ.)	Conn.	†Bell, Walter (Jun. 19)	D.C.
†Beach, Robert Willis (Law, LL.M.)	Wash.	†Bell, Warren Struble (Univ.)	Va.
B.S. 1922, LL.D. 1936, University of Washington		Belkows, Everett Hollis (Col. 78)	D.C.
Beacham, P.B., Jr. (Law II)	N.C.	Bellock, Margaret (Col. 91)	D.C.
B.S. 1913, Davidson College		†Belser, Harvie Jordan (Univ.)	Fla.
Beale, George William, Jr. (Jun. 57; Col.)	D.C.	Belton, Louise Frances (Jun.)	D.C.
†Beale, Gladys Clara (Univ.)	D.C.		
Beall, Austin Lewis (Ed. 126)	Md.		

†Bendtin, Erwin John (Jun.)	D.C.	Bernstein, Mitchel (Jun. 66; Ed.)	D.C.
†Benedict, Charles Junken, Jr. (Jun.)	Md.	Bernstein, Robert (Jun. 79)	D.C.
†Bengtson, John Willard (Univ.)	Nebr.	Bero, Dorothy Lee (Jun. 40)	Kans.
B.S. 1917, University of Nebraska		Beronio, Peter Anthony (Jun. 54)	N.J.
Benkam, Ruth Frances Heisey (Jun. 58)	Pa.	Berry, Margaret Louise (Jun. 18)	D.C.
Bentez, Helena Z. (Ed., A.M.)	P.I.	†Berry, S. Louise (Jun. 110)	D.C.
A.B. 1931, B.S. in Ed. 1934, Philip- pine Women's University		Berry, Thomas Edward (Col., A.M.)	D.C.
†Benjamin, Vernon Edgar (Eng. 41)	N.Y.	B.S. 1916, The George Washington University	
Benn, James H. (Jun. 24)	Md.	Berry, Washington Lloyd (Jun. 81)	Va.
Benner, Carl Alton (Eng.)	D.C.	Berryman, Hood (Law II)	Tex.
Benner, James Harrison (Law I)	Md.	A.B. 1932, Baylor University	Pa.
A.B. 1910, University of Maryland		Berukstis, Helen A. (Univ.)	Ark.
†Benner, Willis Alton (Ed., A.M.)	D.C.	Best, Louis Morris (Col. 80)	Iowa
B.S. 1934, University of Maryland		Betensky, Leon (Col., A.M.)	
Bennett, Bruce Hardy (Med. IV)	Fla.	A.B. 1934, The George Washington University	
†Bennett, Dorothy Alexeana (Univ.)	D.C.	Bethell, James Truman (Law II)	N.Y.
†Bennett, Dorothy Gilligan (Univ.)	D.C.	M.E. 1913, Stevens Institute of Technology	
A.B. 1928, Western Maryland College		Betsch, Carl Arthur (Jun. 9)	Ohio
A.M. 1910, The George Washington University		†Beveridge, Andrew Bennie (Law I)	Md.
†Bennett, Edith (Jun.)	Ky.	B.S. 1936, University of Maryland	
Bennett, Evert G. (Eng. 66)	Oreg.	Beverly, Mary-Welby (Jun. 30)	D.C.
†Bennett, Lois Eloise (Jun. 82)	Minn.	Bewersdorf, Gertrude Louise (Jun.)	Ill.
Bennett, Lorenzo Thompson, Jr. (Law, LL.M.)	Mich.	Beyer, Glenn H. (Col., A.M.)	S.Dak.
LL.B. 1916, The George Washington University		A.B. 1935, Augustana College	
Bennett, Mary Elizabeth (Jun. 16)	Md.	Biba, Frank Joseph (Univ.)	Wis.
Bennett, Millard MacDonald (Law I)	S.Dak.	Bienert, Neona Hermiana (Jun. 48)	Mo.
A.B. 1917, Yankton College		Bierman, Josephine Abigail (Jun.)	D.C.
Bennion, Adam Young (Law II)	Utah	Biesemeier, Harold (Law, LL.M.)	Calif.
A.B. 1915, University of Utah		Graduate 1917, U. S. Naval Academy	
Bennion, Donald C. (Law III)	Utah	LL.B. 1932, The George Washington University	
B.S. 1933, University of Utah		†Bieser, Maurice Herman (Univ.)	Kans.
Bennion, Stewart Roberts (Jun.)	Utah	†Bigalke, Alfred Benjamin (Jun.)	Minn.
Bens, Henry Jan (Jun. 55)	Md.	Biggs, Paul Robert (Law III)	Oreg.
Bensinger, Pearl Sheerr (Jun. 44)	D.C.	Bigwood, Augustus Winton (Jun. 30)	Mass.
†Benson, Ann Louise (Jun. 15)	Mo.	†Bilder, Milton (Univ.)	Pa.
†Benson, Mae Biddison (Univ.)	N.Y.	Billard, Charles Lawrence (Jun.)	D.C.
Bercovitz, Leon Judah (Phar. 94)	D.C.	Billingsley, William Kirkman, Jr. (Med. III)	D.C.
Phar.G. 1934, University of Maryland		Billsborough, Robert Carson (Univ.)	D.C.
Berdick, Murray (Eng.)	N.Y.	Binder, Irving Myer (Jun. 30)	D.C.
Berens, Robert James (Law I)	Minn.	†Bingham, Marion D. (Ed. 196½)	Utah
B.B.A. 1916, University of Minnesota		Bingham, Marvin W. (Jun. 36)	Utah
†Berres, Louis Balantine (Ed., A.M.)	Mass.	Bingham, Ruppert (Law II)	Mont.
B.S. 1914, University of Alabama		B.S. 1926, University of Pennsylvania	
Berg, Gertrude (Univ.)	N.Y.	†Binley, Anne Seymour (Jun. 28)	D.C.
Berger, Nedwin Gerhard (Law I)	D.C.	Birckner, Carl Joseph (Jun. 30)	D.C.
B.S. in M.E. 1932, University of Kansas		Bird, Norman Luther (Col. 81)	Mo.
Berggren, Gladys Genevieve (Jun. 9)	Nebr.	†Bird, Walter Moore (Univ.)	D.C.
Bergstrom, Kenneth O. (Law III)	D.C.	Birkby, Leila Virginia (Jun. 30)	Pa.
A.B. 1932, Gustavus Adolphus College		Birkel, Benedict Herman (Med. IV)	
†Berkowitz, Leon (Ed., A.M.)	Pa.	B.S. 1934, Moravian College	D.C.
B.F.A. in Ed. 1934, University of Pennsylvania		Birmingham, Alfred Nelson (Jun. 62)	D.C.
Berl, Herbert (Univ.)	D.C.	Biron, Naomi Bessey (Col. 90)	D.C.
LL.B. 1917, Harvard University		Bischoff, Lawrence Philip (Jun.; Eng.)	Md.
†Berlant, David Arthur (Jun. 48)	D.C.	Bish, Charles Edward (Ed., Ed.D.)	
†Berman, David Z. (Univ.)	N.Y.	A.B. 1925, Western Maryland College	
A.B. 1914, University of Rochester		A.M. 1916, The George Washington University	
Bernard, Henri Joseph (Jun.)	Md.	Bishop, Catherine Ann (Ed., A.M.)	Md.
Berndt, Leo (Law II)	Okl.	B.S. 1935, Johns Hopkins University	Tenn.
†Bernhardt, Lewis Hodges (Jun.)	D.C.	Bishop, Morris Comstock (Univ.)	D.C.
Bernheimer, Norman (Law II)	Va.	Bishop, Martha Elizabeth (Jun.)	D.C.
Bernstein, Charles (Med. I)	N.Y.	†Bisler, Myer (Jun.)	Ind.
†Bernstein, Edith R. (Ed. 66)	N.Y.	Bissell, Howard N. (Govt. 77)	Utah
†Bernstein, Harold (Univ.)	N.Y.	Bjorklund, Louis J. (Eng. 102)	D.C.
B.S. 1914, Brooklyn College		Black, Emilie Annabelle (Jun.)	D.C.
†Bernstein, Harry S. (Col., A.M.)	N.Y.	†Black, Helen Louise (Univ.)	D.C.
B.S. 1915, College of the City of New York		B.S. 1917, The George Washington University	
Bernstein, Joseph (Govt. 94½)	N.Y.	Black, James Irving (Law I)	N.Y.

†Black, Richard Winthrop (Univ.)	N.Y.	†Bogley, Samuel Emory (Law I)	Md.
Blackburn, Ardis (Law I)	Mo.	A.B. 1936, University of Maryland	
Blackstone, Anne Woodall (Jun.)	D.C.	Bohall, Willard Elton (Col. 75)	N.Y.
†Blackwelder, Ruth MacCoy (Univ.)	D.C.	Bohmrich, Louis G. (Law I)	Wis.
B.S. 1933, University of California,		B.S. 1928, Harvard University	
Berkeley		†Boileau, Monica M. (Univ.)	D.C.
Blackwell, Doris Catherine (Jun.)	D.C.	Boland, Catherine Mary (Jun. 42)	Pa.
Blaine, James William (Law III)	Idaho	Boland, Grace Marie (Jun. 63)	D.C.
†Blake, John Ammen (Univ.)	Md.	Boley, Morris Victor (Jun. 84)	Okla.
A.B. 1926, Presbyterian College		Bollinger, Theresa (Col. 105)	N.Y.
†Blalock, Eugene D. (Univ.)	D.C.	Bolton, Helen Edith (Univ.)	D.C.
Blalock, Samuel Gordon (Law III)	Fla.	Bonaventuri, Ezia (Govt. 60)	Minn.
Blanchard, Joy R. (Col., A.M.)	Okla.	†Bonde, Dorothy Elaine (Jun.)	D.C.
A.B. 1915, The George Washington		BonDurant, Julia Elizabeth (Jun. 30)	D.C.
University		Bone, Martha E. (Govt., A.M.)	Kans.
†Blandford, Lucille Catherine (Jun.)	Ky.	B.S. 1920, University of Kansas	
†Blane, Ruben R. (Univ.)	Pa.	Bonham, Eleanor Bicknell (Jun. 9)	Tenn.
Blankenbaker, Hazel Lee (Jun.)	Va.	Bonney, Herman Lankford (Eng.)	Va.
Blankin, Bernard (Jun.)	D.C.	Boogman, Harry L. (Law I)	Mass.
†Blau, Edith (Univ.)	Va.	B.S. 1933, Boston University	
A.B. 1924, Radcliffe College		Booklan, Diana (Jun.)	D.C.
Bledsoe, Edwin Payne (Law II)	D.C.	Boone, Elizabeth Hine (Law I)	N.J.
B.S. 1930, Washington and Lee		A.B. 1930, Sweet Briar College	
University		†Boone, Olga Christina Lofgren (Univ.)	D.C.
†Bledsoe, H. Doris (Ed., A.M.)	Mo.	B.S. 1934, A.M. 1936, University	
B.S. in Ed. 1936, University of		of Maryland	
Missouri		Boote, Ward Etheridge (Govt. 63)	Pa.
Bledsoe, John Baker, Jr. (Jun. 33)	Ala.	LL.B. 1923, LL.M. 1923, George-	
Blizzard, Mary Ream (Jun. 12)	W.Va.	town University	
Block, Herbert Edward (Med. II)	D.C.	Booth, Charlotte Bernardine (Jun. 30)	D.C.
Blond, Hyman J. (Law I)	D.C.	Booth, Sherwood Kenneth (Law III)	Pa.
Bloom, Marvin K. (Univ.)	N.Y.	A.B. 1932, Pennsylvania State College	
B.S. 1934, College of the City of		†Bower, George William (Jun., Uncl.)	Miss.
New York		†Boquel, Francis Walle Peter (Law I)	D.C.
†Bloom, Paul E. (Univ.)	Tex.	B.S. 1933, Lehigh University	
A.B. 1932, The George Washington		Borchelt, Benjamin August (Eng. 67)	Mo.
University		†Borden, Eldon Louis (Univ.)	Pa.
Bloomington, Joseph Robert (Jun. 22)	Va.	Borden, Elmore H. (Ed. 62 3/4)	Wash.
Blount, George Addison (Univ.)	D.C.	Boree, Majel (Jun. 9)	Va.
Blum, Irwin Ellis (Law III)	N.Y.	Borradaile, Gilbert Clarence (Univ.)	Md.
B.S. 1933, Brooklyn College		Borsari, George Robert (Law I)	Mass.
Blum, Milton (Jun. 15)	D.C.	A.B. 1934, American University	
Blum, Solomon L. (Eng. 120)	Del.	Bortner, Marianna Ruth (Col. 90)	Del.
B.S. in E.E. 1932, University of		Boruck, Morris Herman (Jun. 30)	D.C.
Delaware		Borum, Bruce Hawthorne (Jun. 70)	Ind.
Blumenthal, Flora Rose (Jun. 55; Ed.)	D.C.	†Boryk, Stephen (Jun.)	N.Y.
Blumenthal, Lester Sylvan (Med. I)	D.C.	Boss, Evelyn Farmer (Col., A.M.)	Va.
Blumenthal, Phyllis Ruth (Jun.)	Conn.	A.B. 1926, University of Oklahoma	
†Blunt, Harry Woodward (Univ.)	D.C.	Bossen, Solomon (Univ.)	N.Y.
Boalich, Imogene (Univ.)	D.C.	B.S. 1933, College of the City of	
†Boam, John A. (Jun. 30)	Conn.	New York	
Bobbitt, Kimball R., Jr. (Jun. 15)	Fla.	Bosta, Nicholas Eberle (Law I)	Nev.
Bobbitt, Oscar Price (Jun. 30)	Tex.	A.B. 1932, University of Nevada	
Bock, Denton (Med. II)	Calif.	Boston, Edward John (Jun.)	D.C.
A.B. 1935, University of Utah		Basswell, Lola (Univ.)	D.C.
†Bockhaus, Edward Edison (Univ.)	Va.	†Bosworth, Ruth Margaret (Jun. 48)	Md.
Bodily, David Cook (Ed. 93 3/4)	D.C.	Boston, Edith (Law I)	D.C.
Body, Alfred Carpenter (Law I)	Ohio	Boskin, Eugene (Col., A.M.)	D.C.
B.S. in M.E. 1937, Case School of		A.B. 1932, The George Washington	
Applied Science		University	
Boelter, Elsie Matilda (Univ.)	Mont.	†Bott, August Karl, Jr. (Jun. 30)	Colo.
A.B. 1932, University of Montana		†Botts, George Oliver (Law I)	Mich.
Boesch, Paul Raymond (Col. 60)	D.C.	B.S. 1933, Michigan State Normal	
LL.B. 1917, The George Washington		College	
University		Boucher, Albert Leo (Jun.)	D.C.
†Boese, Benjamin Franklin (Law I)	Nebr.	Boucher, Lionel Rene (Law I)	N.H.
A.B. 1917, The George Washington		Boulger, Delmar L. (Govt. 111 3/4)	N.Dak.
University		Boulger, Richard V. (Law II)	N.Dak.
Bogan, Joseph Borrowa, Jr. (Univ.;		†Bounds, Roger Jackson (Law I)	D.C.
Col. 76)	D.C.	A.B. 1924, Washington College	
Bogaty, Herman (Univ.)	N.Y.	Bour, Catherine Louise (Jun. 60, Govt.)	D.C.
†Boggs, Gilmer Glenn (Jun.)	W.Va.	Bowen, Carter Milburn (Jun.)	Md.
Boggs, Russell Aubrey (Jun. 10)	W.Va.	†Bowen, Cumbie (Univ.)	Ala.



Bowen, John Thomas (Univ.)	Va.	†Brannan, James Leo (Univ.)	D.C.
Bowen, Katherine Ann (Jun.)	D.C.	†Brannock, Harold Spedden (Jun.)	Md.
Bowen, Nell Louise (Univ.)	Ill.	Brannock, Walter Wallace (Jun. 107)	Va.
Bowers, Chester Gaver (Law I)	Md.	†Brannon, Thurza I. (Univ.)	Ga.
A.B. 1931, American University		A.B. 1934, Emory University	
Bowers, Kathryn Elizabeth (Univ.)	D.C.	Branscombe, Arthur Allison (Jun. 60; Col.)	D.C.
Bowers, Richard Simpson (Jun. 30)	D.C.	†Brannon, Mary Louise (Univ.)	D.C.
*Bows, Theodore Leon (Law III)	Va.	Brasch, Maxwell Fredrick (Univ.)	Calif.
B.S. in E.E. 1930, University of Illinois		Brasel, Clara Bayne (Jun.)	D.C.
Bowie, Frank McKay (Jun. 61)	Md.	Brasted, Robert Crocker (Col. 112)	D.C.
†Bowie, William Zirkle (Jun. 15)	Md.	Bratt, Bryce W. (Eng. 81)	Nebr.
Bowman, Charlotte Josephine (Col. 66)	Va.	Braun, Lydia Isabelle (Jun. 24)	D.C.
Bowman, Richard Wilson (Col. 64)	Va.	Braunstein, Lester (Jun. 61)	D.C.
Bowman, Robert Alexander, Jr. (Jun. 94)	Va.	Braunstein, Sonya (Jun.)	N.J.
Boxley, James Broderick (Jun. 21)	Ky.	Braver, Martin Leo (Jun.)	D.C.
Boyd, Arthur Curtis (Ed., A.M.)	D.C.	Brawer, Jerome (Med. I)	N.J.
A.B. 1927, University of Maryland		A.B. 1937, University of Pennsylvania	
Boyd, Augusto Samuel (Jun. 26)	Panama	Brawner, Carle Conway, Jr. (Med. I; Ed., A.M.)	Va.
†Boyd, Eleanor Corryell (Univ.)	D.C.	B.S. 1937, University of Virginia	
Boyd, Esther E. (Jun. 24)	D.C.	†Bray, Mairie Lewis (Univ.)	D.C.
†Boyd, Helen Philpitt (Ed., A.M.)	Md.	Bray, Robert Stuart (Jun. 79)	Va.
B.S. in Ed. 1933, Wilson Teachers College		Breckenridge, John (Jun. 18)	Mo.
Boyd, John Edwin (Govt., A.M.)	Tex.	†Bredenkamp, Ruth (Univ.)	Va.
A.B. 1934, University of Texas		Breed, Margaret Ella (Jun. 9)	D.C.
†Boyd, John Lewis (Eng.)	Tenn.	†Breen, Mary Teresa (Univ.)	D.C.
Boyer, Evelyn Frances Deardoff (Law II)	D.C.	A.B. 1934, University of California, Los Angeles	
A.B. 1932, The George Washington University		Breidenbach, Samuel Heavrin (Univ.)	Va.
Boyet, John H. (Law I)	Okla.	LL.B. 1925, The George Washington University	
A.B. 1934, Oklahoma Southeastern State Teachers College		Breithaupt, Harold Ernest (Law I)	Ill.
Boylan, Mary Norma (Ed., A.M.)	D.C.	Breithaupt, Harry James, Jr. (Law I)	Va.
A.B. 1935, The George Washington University		A.B. 1935, Roanoke College	
Boyland, Paul Maurice (Eng.)	Md.	A.M. 1936, Washington and Lee University	
Boyle, Constantine Casanges (Univ.)	Md.	Brenneman, Leonal Walter (Eng. 79)	Kans.
Boyle, Irma Agnes (Jun.)	Va.	Brennan, Joseph Paul (Jun. 60)	D.C.
Boyle, Peter Joseph (Jun.)	Minn.	Brent, Aubrey Stride (Law II)	D.C.
Boyles, Virginia Ernestina (Jun.)	Pa.	†Bresnahan, William Alman (Jun. 30)	Va.
Brasher, Nancy M. (Col. 80)	Ind.	Brett, William Jennings (Univ.)	D.C.
Brashbury, Howard Melville, Jr. (Law I)	D.C.	Brewer, Ruth Genevieve (Col. 96)	D.C.
Bradford, Harold Keith (Law I)	D.C.	†Brewster, Bess (Col. 78)	Fla.
A.B. 1923, West Virginia University		Brick, Irving Benjamin (Med. I)	
Bradford, Thomas Alden, Jr. (Eng. 106)	D.C.	A.B. 1927, The George Washington University	
Bradford, William Robert (Jun. 67½)	Md.	Bridewell, David Alexander (Law III)	Ark.
Bradley, Francis Dean (Eng. 26)	Nev.	A.B. 1930, University of the South	
B.S. 1934, U. S. Naval Academy		A.M. 1932, Princeton University	
Bradley, Glenn M. (Law I)	Iowa	†Brien, Muriel (Law I)	N.J.
B.S. 1932, State University of Iowa		A.B. 1931, Hood College	
Bradley, Helen Margaret (Univ.)	Ohio	Brier, Glenn Wilson (Col., A.M.)	Iowa
Bradley, James Pierce (Law I)	Md.	B.S. 1935, Parsons College	
A.B. 1926, St. John's College		†Briggs, Helen Olivia (Univ.)	D.C.
Bradley, John Charles (Univ.; Jun. 9)	Pa.	Bright, Albert S. (Med. IV)	D.C.
†Bradley, L. Beauford (Law I)	Ga.	A.B. 1935, The George Washington University	
A.B. 1914, Georgia State College for Women		†Brill, Bessie L. (Univ.)	N.Y.
†Bradley, Richard Herbert (Jun. 21)	D.C.	A.B. 1921, Columbia University	D.C.
Bradley, Shoshano (Univ.)	Ill.	Brill, Leroy Albert (Law III)	Va.
Ph.B. 1932, University of Chicago		Brill, William Perry (Jun.)	D.C.
Bradley, Wayne Clark (Col. 104)	Wis.	Brimhall, McKen Eccles (Jun.)	D.C.
Bradshaw, James Bernard (Govt., A.M.)	Va.	Brinkman, William Anthony, Jr. (Eng. 53)	D.C.
B.S. 1924, University of Pennsylvania		†Briscuso, Joan Mary Louise (Jun. 27)	D.C.
Brainard, Richard Reade (Law III)	Va.	Brisebois, Joseph Francis (Law III)	D.C.
E.E. 1932, Cornell University		A.B. 1937, The George Washington University	
Brainerd, Frances Rockwell (Col. 90)	D.C.	Britt, Thomas Martin (Jun.)	D.C.
Bramhall, Jo Faye (Jun. 12)	Colo.	Britt, William Gaynor (Law I; Col. 122)	Tex.
Brandschaft, Vivian (Law I)	N.Y.		
A.B. 1934, Smith College			
†Brandt, Mary Ness (Jun. 24)	Pa.		
†Brandt, Mildred G. (Univ.)	D.C.		

Brittain, William Cecil (Govt., A.M.) A.B. 1945, DePaul University	Ind.	†Brown, Wilson (Eng.)	D.C.
Brock, John Roy (Jun.)	Okla.	†Browne, Edward Maurice (Jun. 24)	D.C.
†Brook, Wallace Donald (Univ.)	Fla.	Browne, Zona Cleary (Univ.)	D.C.
Brody, Herman (Law I)	Ohio	Brownstein, Jacob Norman (Eng. 16)	N.Y.
†Brohl, Earl Matthias (Univ.)	Va.	Bruce, Delbert H. (Law I)	S.Dak.
Bronberg, Garnet Christian (Jun. 24)	Pa.	Brock, Meyer (Jun. 39)	N.Y.
Bronaugh, Alfred Taylor (Eng. 94)	D.C.	Brockert, Horace Andrew (Col. 84)	D.C.
Brook, Thessie T. (Med. IV)	Pa.	B.S. 1925, Iowa State College of Agriculture and Mechanic Arts	Pa.
B.S. 1935, University of Pittsburgh		Broeckert, Mildred Ashton (Jun. 62)	D.C.
†Brotsan, Stanley Homer (Jun. 6)	D.C.	Brundage, Robert Savles (Univ.)	Va.
Brook, Helen Constance (Univ.)	Mich.	Brunner, Mary Elizabeth (Univ.)	D.C.
Brooke, Elizabeth Charabel (Univ.) Col. 693	D.C.	†Brunet, Roberta (Law I)	
†Brooker, Elizabeth Minerva (Ed. A.M.) A.B. 1929, Ball State Teachers College	Ind.	B.S. in Ch.Eng. 1936, University Puerto Rico	
Brookner, Charles (Univ.)	N.Y.	Bruns, Dorothy Carolyn (Univ.)	Oreg.
†Brooks, Carolyn (Univ.)	Tex.	B.S. 1936, Oregon State Agricultural College	
LL.B. 1936, The George Washington University		†Bryan, Agnes Lucile (Ed. A.M.)	Va.
Brooks, Frederick Loftin (Col. 108)	Okla.	B.S. 1937, The George Washington University	
Brooks, Janice Virginia (L.S., A.M.) A.B. 1939, The George Washington University	D.C.	Bryan, Belton O'Neal (Law III)	S.C.
Brooks, Kathryn C. (Univ.)	Va.	A.B. 1934, Duke University	Pa.
Brooks, Leroy William (Eng.)	D.C.	†Bryan, Herbert Gayle (Univ.)	
†Brooks, Thomas Randolph (Univ.)	Md.	Bryan, Herbert Kennon (Govt., A.M.)	Maine
†Brooks, Thomas Ramsell (Col. 111)	D.C.	B.S. 1934, Colby College	
Broome, Ethel Mae (Jun.)	D.C.	†Bryan, Hugh Mack (Univ.)	Ill.
†Brooks, Marietta Howard (Col., A.M.) A.B. 1934, University of Southern California	Calif.	†Bryan, John Darius (Jun.)	Ohio
Brossard, Howard Stratford (Univ.)	Utah	†Bryant, Frances J. (Univ.)	Utah
Brotnan, Alfred Bernard (Jun. 36)	D.C.	B.S. 1931, University of Utah	
Broughter, John Frederick (Ed., Ed.D.) A.B. 1926, A.M. 1929, Columbia University	Va.	Bryant, Gerald Wilson (Eng. 78)	Ill.
†Brower, Edgar Jay (Univ.)	Md.	Bus, Frank E. (Jun. 49)	D.C.
A.B. 1933, LL.B. 1935, The George Washington University		†Buss, Dominick (Jun. 18)	N.J.
Brower, Jane Compton (Univ.)	Va.	Bushman, Nettie (Col., A.M.)	Ind.
Brown, Ben Hill, Jr. (Law II)	S.C.	A.B. 1935, Brennan College	D.C.
A.B. 1935, Wofford College		Buckingham, Ripley (Med. I)	
Brown, Betty Lee (Jun. 39)	D.C.	A.B. 1935, Norwich University	D.C.
Brown, Brooks G., Jr. (Med. III)	D.C.	†Buckingham, William Oscar (Univ.)	
†Brown, Carolyn Jeannette (Univ.)	N.J.	A.B. 1936, University of Maryland	
Brown, Catherine Wilson (Jun.)	W.Va.	Buckler, James Leonard (Jun. 6)	D.C.
Brown, Charles Matthew, II (Eng. 3)	Md.	Buckley, James C. (Govt., A.M.)	Md.
Brown, Charles William (Med. IV) A.B. 1932, University of California	Calif.	A.B. 1929, Wayne University	Va.
†Brown, Clinton James (Jun. 73)	D.C.	Buckley, Michael Lester (Med. II)	S.Dak.
Brown, Eleanor Louise (Jun.)	Va.	Bucklin, Mabel Gertrude (Jun. 21)	D.C.
Brown, Elizabeth Charlotte (Govt. 90)	D.C.	†Buckitt, Mary Lillian (Jun.)	D.C.
Brown, Evelyn Mae (Ed. 94)	D.C.	Budington, John Victor (Law, LL.M.) A.B. 1929, LL.B. 1932, University of Alabama	Pa.
Brown, Francis Ray (Law III)	Ariz.	Bugay, Paul Edouard (Jun. 6)	N.Y.
Brown, George Robbins (Law II & Col. 124)	Ohio	Bullmaster, Carl Edward (Jun. 31)	D.C.
†Brown, Harry Daniel (Jun.)	D.C.	Bullard, Perry Cecil (Jun. 4)	S.Dak.
Brown, Helen Lindsley (Jun.)	D.C.	Bulow, Kathleen Chloë (Col. 81)	D.C.
Brown, Iva Vernon (Jun.)	Va.	†Bundack, Harriet Ellen (Univ.)	
Brown, John Frank (Univ.)	N.J.	A.B. 1926, A.M. 1933, The George Washington University	N.J.
Brown, Joseph Sylvester (Jun. 15)	Ga.	Bunovich, Irving (Law II)	
†Brown, Marion Simms (Jun. 13)	D.C.	B.S. 1934, U. S. Naval Academy	Calif.
†Brown, Mary Helen (Univ.)	W.Va.	†Bunn, Edyth M. (Jun. 37)	
Brown, Mary Justina (Jun. 18)	D.C.	Bonnay, Tildaw (Jun. 45)	Iowa
†Brown, Richard Salisbury (Jun. 49)	Md.	†Bowl, Fred W. (Univ.)	D.C.
†Brown, Russell Morton (Univ.)	R.I.	†Borak, Nathan (Jun.)	D.C.
Brown, Thomas Francis (Univ.; Eng.)	Wyo.	Borch, Bette Jeanne (Jun. 30)	D.C.
Brown, Virginia Mitchell (Univ.) A.B. 1930, A.M. 1932, The George Washington University	Va.	Borch, Jacob (Law I)	D.C.
Brown, William Theodore (Eng. 45)	Md.	Borch, Margorie May (Jun.)	D.C.
		Borch, Mary Elizabeth (Ed. 90)	Colo.
		Burdette, Eleanor Mary (Jun. 24)	D.C.
		Buren, Percy T. (Col. 643; Univ.)	Oreg.
		Burgess, Forbes Hathaway (Med. II)	D.C.
		Burgess, James Earle (Jun.)	D.C.
		Burke, Betty (Jun. 48)	Va.
		Burke, Ellen Coolidge (Univ.)	

Burke, Frances Marie (Ed., A.M.)	Ind.	Bush, Stone Elkin (Law III)	Ga.
A.B. 1925, The George Washington University		Busick, George Cabell (Jun. 32)	Va.
Burke, Frederick Richard (Law II)	Conn.	†Busker, David (Univ.)	N.Y.
Burke, Hugh McKenny (Jun.)	D.C.	B.S. 1937, College of the City of New York	
Burke, James Howard (Jun. 15)	D.C.	†Butcher, Carolyn Janet (Univ.)	D.C.
Burke, Jane Macauley (Ed., A.M.)	D.C.	†Butler, Charles Thomas, Jr. (Col., A.M.)	Ind.
Burke, John Harold (Med. I)	W.Va.	A.B. 1934, University of Florida	
A.B. 1937, The George Washington University		Butler, Edith Marie (Univ.)	Ind.
Burke, John Patrick (Jun. 60)	Mont.	†Butler, Ruth Elizabeth (Univ.)	Tenn.
Burke, Kathryn Marzee (Univ.)	N.Dak.	A.B. 1929, The George Washington University	
Burke, William Peter (Univ.)	D.C.	A.M. 1933, Columbia University	D.C.
†Burkhouse, Evelyn Agnes (Univ.)	D.C.	*Butrum, Lena Heaner (Ed., A.M.)	
Burkley, Robert Blair (Jun. 6)	D.C.	A.B. 1932, The George Washington University	
†Burklin, Lillian Elizabeth (Jun.)	D.C.	Butterworth, Jack (Ed. 84½)	Ind.
Burklin, Mary Winsor (Jun.)	D.C.	Butts, Helen Elizabeth (Ed. 72)	N.Y.
†Burke, Jack (Univ.)	Va.	†Butturff, Douglas Mellin (Jun. 25)	D.C.
B.S. in M.E. 1910, Agricultural and Mechanical College of Texas		Butturff, Robert Raoul (Jun. 89)	D.C.
Borman, Robert Allen (Jun.)	Ohio	Butuyan, Emilio B. (Law I)	P.I.
Burn, Richard Elwood (Law I)	N.J.	B.S. 1930, Georgetown University	Iowa
B.S. in E.E. 1944, University of Alabama		†Buys, Antonia (Univ.)	Ga.
Burnet, Frank Ford (Jun. 24)	Tex.	Byrd, Dan Madison (Law II)	
†Burnet, Mary Rutledge (Jun.)	S.C.	Ph.B. 1936, Emory University	
Burnett, Edmund Coby (Law II)	Tenn.	A.M. 1937, The George Washington University	
A.B. 1936, The George Washington University		Byrne, Frank Robert (Law II)	Ill.
Burnett, Elizabeth Susong (Jun. 60; L.S.)	D.C.	†Byrne, Gladys Annette (Univ.)	D.C.
Burnett, Sue Stokely (Jun.)	D.C.	Byrne, Paul P. (Law II)	Pa.
Burnett, Waldo Emerson (Jun. 26)	Va.	Ph.B. 1932, Georgetown University	D.C.
†Burnett, William Harold (Jun. 51)	D.C.	Byrne, Peter Thomas (Univ.)	D.C.
Burnham, Perley Meserve (Univ.)	Va.	†Byron, George Hunt (Jun.)	Ky.
Burna, John Fielding (Law I)	Va.	Byron, Roger Alan (Law II)	
B.S. in F.E. 1943, The George Washington University		A.B. 1935, Berea College	
†Burns, Lee Anna Embrey (Col., A.M.)	Md.	C	
A.B. 1944, The George Washington University		†Cadel, Inez Louise (Univ.)	Va.
†Burns, Pauline Elizabeth (Jun. 68)	Md.	Cadwallader, Lewis Weston (Univ.)	D.C.
Burnside, Omer Clary (Jun.)	Ark.	Caemmerer, Alice Bailey (Col. 129)	Oreg.
Burns, R. to Mary (Univ.)	D.C.	Caffey, Catherine Howell (Jun.)	Va.
Burroughs, Elizabeth Jane (Jun.)	D.C.	Cage, Edwin Menton (Law I)	Tex.
Burt, Richard Edmo (Jun.)	D.C.	†Cahen, Alfred (Law I)	N.Y.
Burstein, Edward Marion (Law II)	Ill.	A.B. 1927, Ohio State University	
A.B. 1944, A.M. 1936, University of Illinois		A.M. 1920, Ph.D. 1932, Columbia University	
Burt, Barbara (Law II)		†Cahill, Harry (Univ.)	D.C.
Burt, Ernest Hill (Law, LL.M.)	Ala.	Cain, Mary Ruth (Col. 92)	D.C.
B.S. 1914, Michigan State College of Agriculture and Applied Science	Mich.	†Caldwell, Lillian Kearsley (Jun.)	Mont.
LL.B. 1917, Yale University		Caley, Cliff Earl (Ed. 129½)	D.C.
Burt, Sherman E. (Law III)	Utah	†Calhoun, Edward Joseph (Col., A.M.)	
B.S. 1932, University of Utah		A.B. 1937, The George Washington University	
†Burt, Wellington R. (Law I)	D.C.	Callan, Margaret Elizabeth (Jun.)	D.C.
B.S. in Forestry 1937, University of Michigan		Callari, William Bartolo (Jun.)	N.Y.
†Burton, Paul Everett (Jun.)	Idaho	Callaway, Gilbert Evans (Col. 106½)	Tenn.
†Burton, Francis C. (Univ.)	Md.	Callen, James Thomas (Univ.)	Wis.
Burton, Perry Thurston (Eng. 126)	Md.	†Callow, Frances Marie (Jun. 9)	D.C.
Busby, Thomas Jefferson, Jr. (Law II)	Miss.	Calver, Jessie Carleton (Col. 60)	D.C.
A.B. 1945, Washington and Lee University		Cameron, George Henry (Law II)	Ill.
Busch, Margaret Temple (Law I)	N.H.	B.S. 1912, Knox College	Iowa
A.B. 1935, The George Washington University		Cameron, Mary Louise (Jun. 67)	Idaho
Bush, George Bartram (Col. 114)	Md.	†Cammack, Myrtle Irene (Univ.)	Ga.
†Bush, Harvey A. (Univ.)	D.C.	Camp, Benjamin Jesse (Law II)	
†Bush, James E. (Jun.)	D.C.	A.B. 1914, University of Georgia	D.C.
Bush, Mary Elizabeth (Jun. 30)	D.C.	Camp, Paul George (Phar. 197)	Idaho
Bush, Richard Shepard (Jun.)	Md.	Campbell, Howard Delton (Law I)	
		A.B. 1936, College of Idaho	Pa.
		†Campbell, James Lewis (Jun.)	Md.
		Campbell, James Milton (Law II)	
		A.B. 1937, The George Washington University	



†Campbell, James Walter, Jr. (Eng., Uncl.)	D.C.	Carraway, Drew Lawrence (Law I)	Ark.
Campbell, Joseph Gray (Jun. 18)	N.C.	A.B. 1915, Henderson State Teachers College	
Campbell, Lorene (Jun. 62; Col.)	Ark.	Carreras, José Antonio (Jun.)	P.R.
Campbell, Lovena Adalene (Jun.)	D.C.	Carreras, Luis Isidoro (Jun. 28)	P.R.
†Campbell, Paul (Law, Uncl.)	Tenn.	Carrero, Harry Lee (Jun. 51)	Va.
Campbell, Paul, Jr. (Law I)	Va.	Carter, Ralph Edgar (Eng. 9)	Va.
A.B. 1937, Union College, New York		Carnese, Joseph Crawford (Jun. 77)	Tex.
Campbell, Roy D., Jr. (Law I)	Ark.	Carringer, Julius Milo (Law I)	W.Va.
A.B. 1936, The George Washington University		A.B. 1932, West Virginia University	
Campbell, Thomas Kyle (Jun. 36)	N.Mex.	Carroll, Robert Joseph (Eng. 32)	Pa.
†Camp, Frank (Jun.)	D.C.	†Carroll, Helen Burnet (Univ.)	D.C.
Candland, Arthur Ben (Univ.)	Utah	A.B. 1931, Trinity College	
Canning, James Robert (Ed. 88)	Mo.	Carroll, Jane Morrow (Ed., Ed.D.)	Kans.
Cannon, Harry (Law I)	N.Y.	B.S. 1920, Kansas State Teachers College	
B.S. 1914, College of the City of New York		A.M. 1927, Columbia University	
Cannon, Jesse Floyd (Med. I)	Utah	Carroll, Lewis Carlyle (Ed. 122½)	Oreg.
A.B. 1934, University of Utah		B.S. 1918, The George Washington University	
†Cannon, Julia Mary (Univ.)	D.C.	Carroll, Martin Joseph (Law I)	Md.
Cannon, Margaret Fultz (Ed., A.M.)	Va.	B.S. in M.E. 1929, University of Pittsburgh	
A.B. 1925, Randolph-Macon Woman's College		Carrall, Norman Sellman (Jun.)	D.C.
Cannon, Moses Hamlin (Col., A.M.)	D.C.	Carroll, Thomas Matthews (Univ.)	Mich.
A.B. 1914, The George Washington University		Carroll, Walton Cudmore (Univ.)	Va.
†Cannon, Paris William (Univ.)	Mich.	Carson, Raymond Kit (Law II)	Tenn.
Cannon, Thelma Dick (Law I)	Ky.	Carstarphen, Helen Kem (Jun. 27)	N.Y.
A.B. 1927, Berea College		Carte, Carrie Cathern (Jun. 88; Col.)	D.C.
Canter, Esther Paula (Jun. 6)	Pa.	Caster, Champ Stuart (Jun. 24)	D.C.
Canton, Jeanne Marie Louise (Univ.)	D.C.	Carter, Chauncey Paul (Jun. 16)	D.C.
†Caplan, William (Eng. 62)	D.C.	†Carter, Robert Charles (Eng. 111)	Mich.
Capozio, Eugene Raymond (Eng. 91)	D.C.	B.S. 1934, Wayne University	
Carbonell, Arthur Joseph (Med. II)	N.Y.	Caruth, James Tracy (Jun.)	Tex.
†Card, Louise DuBois (Univ.)	Wash.	Carvelas, George (Eng.)	D.C.
Carden, Mary Stuart (Ed., A.M.)	Va.	Carville, Edward Deming (Univ.)	Nev.
A.B. 1935, The George Washington University		Carwile, Nesbit LeGrand (Eng. 15)	D.C.
†Carder, Charles Loomis (Univ.)	Okl.	Cary, George Davis (Law III)	Ala.
Carder, Fred, Jr. (Univ.)	Va.	B.S. 1932, University of Pennsylvania	
Carey, Harold Vincent (Law I)	Conn.	Casassa, Elsie Cook (Univ.)	D.C.
Carey, Thomas James (Govt. 76)	Ariz.	Casassa, Paul Edmund (Ed., A.M.)	D.C.
†Carlson, Clarence Thurston (Jun.)	N.Y.	A.B. 1932, St. John's College	
Carlson, Eva Anna (Univ.)	D.C.	Casella, Joseph Vincent (Med. II)	Conn.
A.B. 1935, The George Washington University		A.B. 1917, The George Washington University	
Carlson, Louise Elva (Jun. 3)	Kans.	Casey, John Brendan (Jun. 9)	D.C.
Carmick, Thomas Terry (Jun. 48)	D.C.	†Casey, Offa Lunsford (Law, LL.M.)	Miss.
Carnahan, Robert Goskirk (Jun. 44)	D.C.	A.B. 1915, LL.B. 1926, University of Mississippi	
Carney, Marabeth Anne (Univ.)	Conn.	Caskie, Nellie Comer (Univ.)	D.C.
†Carpenter, Celia Lydia (Univ.)	D.C.	†Cassedy, William Prager (Univ.)	Va.
A.B. 1931, A.M. 1934, The George Washington University		Cassidy, Thomas Richard (Jun. 9)	Ky.
†Carpenter, Clara Jane (Univ.)	Calif.	Cassil, John Frank (Govt. 60)	Ind.
Carpenter, Edna Marion (Col., A.M.)	D.C.	†Cassullo, John Louis (Jun.)	Calif.
A.B. 1936, Skidmore College		Castell, Jane Jordan (Jun. 60; Ed.)	D.C.
†Carpenter, Elmer Clayton (Jun., Uncl.)	Kans.	†Casteran, Anna Mary-Jeanne (Univ.)	D.C.
Carpenter, Gladys Rosemary (Jun.)	Fla.	†Castillo, Eugenia (Univ.)	D.C.
Carpenter, Homer Sooy (Law III)	Ohio	Cast B., Francisco José (Jun. 29)	D.C.
A.B. 1931, Oberlin College		†Castleman, Edward (Jun. 30)	D.C.
Carper, Elsie Mae (Jun.)	D.C.	Castro, Alex F. (Jun. 38)	D.C.
Carr, Basil Loraine (Law II)	Md.	Castro, Benjamin, Jr. (Eng. 64)	Minn.
B.S. in Aero. Eng. 1911, University of Michigan		Cate, Frances Ruth (Univ.)	Okl.
Carr, Elizabeth Coffin (Univ.)	Va.	†Cates, Dorothy Verne (Univ.)	D.C.
A.B. 1929, A.M. 1915, University of California, Berkeley		†Cauffman, Wallace Joseph (Jun.)	D.C.
Carr, Martha Ensign Strait (Col. 79)	D.C.	†Cave, Dorothy Florence (Univ.)	Ill.
Carr, Richard James (Law III)	Mass.	Cave, Edwin Blauvelt (Law II)	N.Y.
†Carr, Roland Taylor (Col. 96)	D.C.	M.E. 1933, Stevens Institute of Technology	
Carr, Russell Wilberg (Eng. 57)	Md.	Cavey, Margaret (Jun. 42)	D.C.
		†Cavin, Grace Katharine (Ed., A.M.)	Mass.
		Caviness, Pat (Law I)	Ark.

†Cawood, Elizabeth Clark (Univ.)	Va.	Chinn, Raymond Franklin (Med. III)	D.C.
Center, Hyman (Univ.)	N.Y.	Chippa, Jack Henry (Univ.)	Calif.
Ceppos, Harry (Jun. 75; Law I)	D.C.	Choate, Harold Lewis (Jun. 6)	Va.
Cerny, William Joseph (Univ.)	D.C.	†Chobot, Pauline Waterbury (Univ.)	D.C.
I.L.B. 1920, University of Illinois		A.B. 1926, Wellesley College	
†Certo, Benjamin Anthony (Jun.)	N.Y.	†Chotas, George Eli (Univ.)	D.C.
†Chace, Dorothy Helen (Univ.)	D.C.	Chozick, Hyman Edward (Law II)	Maine
Chaconas, Callirrhoe (Jun. 27)	D.C.	†Chramiec, Aleksandra (Univ.)	D.C.
†Chacos, Maria (Univ.)	D.C.	†Christensen, Arland Taylor (Col. 60)	Idaho
Chalfont, Eugene Elmer (Jun. 28)	Nebr.	Christensen, Mary Katherine (Jun. 27)	Colo.
†Chalk, James W. (Jun. 33)	Va.	†Christensen, Thomas Ernest (Univ.)	Nebr.
Chambers, Richmond Duvall (Law I)	D.C.	Christensen, Adabelle Gairlay (Univ.)	D.C.
Chambliss, L. Dunbar (Jun. 33)	Mo.	Christensen, Winifred Noella (Univ.)	Pa.
Champlain, Wilfred Paul (Univ.)	D.C.	Christie, Alfred III (Jun. 93, Col.)	Md.
Champlin, Dale Wesley (Univ.)	Pa.	*Christie, Donald Pray (Jun. 128)	D.C.
†Chandler, George Irving (Univ.)	Va.	†Christie, Edith Frost (Jun. 71)	Mich.
Chandler, John Danforth (Jun.)	D.C.	Christie, Joseph Nolte (Eng.)	D.C.
Chandler, William Eugene (Jun. 48)	S.C.	Christoferson, Herbert Carl (Jun. 69; Govt.)	Ill.
†Chandler, Wilma Christine (Jun.)	D.C.	Christofersen, Wayne L. (Law III)	Utah
Chapin, Frank Mulford (Law I)	Pa.	Christopher, Maxwell George (Eng. 76)	D.C.
Chapin, Ida Florence (Col. 107)	Mass.	Christopherson, Olaf Warren (Jun. 45)	Minn.
†Chapman, Charles Dexter (Jun.)	D.C.	Chrzanowski, Peter Paul (Col. A.M.)	Conn.
Chapman, David Graham (Jun. 33)	Iowa	B.S. 1937, The George Washington University	
Chapman, Ervin N. (Jun. 71)	D.C.	Chu, Chia Chen (Govt., A.M.)	China
Chapman, Kathryn Dawsey (Univ.)	Wis.	A.B. 1934, Central Political Institute, China	
†Chappell, Anita Sinz (Univ.)	Ind.	Chue, King Ho (Ed. A.M.)	China
Chappell, Helen (Jun.)	Kans.	A.B. Linman University, China	
†Chapple, William Atwell (Law, Uncl.)		Churchill, Morton Vincent (Jun. 32)	Md.
I.L.B. 1934, University of Kansas		Churchill, Warren Solyom (Col., A.M.)	Md.
†Charles, Robert Milton (Eng.)	D.C.	B.S. 1936, The George Washington University	
Charlton, Arvid Lavern (Col., A.M.)	Iowa	Cisna, Frances Lathrop (Jun. 24)	D.C.
B.S. 1935, Parsons College		†Cissel, Margaret Emma (Univ.)	D.C.
†Charlton, Brainard S. (Jun. 6)	Va.	Cladin, Alison Renée (Col. 110)	Md.
Chase, Arthur Francis (Univ.)	Ohio	Clagett, Brice Manning (Univ.)	Calif.
†Chase, Arthur Willey (Univ.)	D.C.	Clarett, Helen Lord (Law I)	Va.
M.E. 1898, Cornell University		A.B. 1928, University of Puerto Rico	
†Chase, Donald William (Col., A.M.)	Mass.	Clague, George Richard (Jun. 59)	D.C.
B.S. 1934, Massachusetts State College		Clancy, James William (Jun. 91; Col.)	Conn.
Chase, John Edward (Eng. 10)	R.I.	Clapper, C. Samuel (Jun. 22)	Pa.
Chasnoff, Abraham (Col. 92 1/2)	N.Y.	†Clardy, Warren D. (Univ.)	Va.
Chatwin, Kenneth C. (Law I)	Ariz.	Clark, Alan B. (Law II)	W.Va.
A.B. 1935, Arizona State Teachers College, Tempe		A.B. 1937, The George Washington University	
Cheatham, William Staley (Med. I)	D.C.	Clark, Clifford Helen (Law I)	Ga.
Cheever, Sumner Charles (Law II)	Va.	A.B. 1930, Wesleyan College	
Chen, Sui Fong (Col., A.M.)	China	†Clark, Donald Floyd (Law I)	Ariz.
A.B. 1936, The George Washington University		A.B. 1935, University of Arizona	
†Cherry, John Myrick, Jr. (Univ.)	D.C.	†Clark, Dorothy G. (Univ.)	D.C.
†Cherry, Keller B. (Jun. 31)	Ariz.	†Clark, Fay Grandy (Jun. 55)	Wis.
Chesler, Daniel (Jun.)	Mass.	Clark, Frank (Jun.)	D.C.
†Chesney, John (Univ.)	D.C.	Clark, George Edgar (Jun.)	Ga.
†Chessey, Bessie Hicks (Univ.)	Ala.	Clark, Harry Lawrence (Col. A.M.)	D.C.
Chesler, Benjamin J. (Med. IV)	N.Y.	B.S. 1935, The George Washington University	
A.B. 1934, New York University		Clark, Henry Thomas, Jr. (Jun.)	Md.
†Chetta, Nicholas John (Univ.)	D.C.	†Clark, Hugh Upham (Univ.)	D.C.
Chevraux, Eugene W. (Univ.)	Ohio	Clark, James Brady (Eng. 3)	N.Y.
A.B. 1924, Hamilton College		Clark, Jean (Univ.)	Mass.
M.S. in F.S. 1926, Georgetown University		Clark, Lewis Jesse (Col., A.M.)	
Chew, Audrey (Jun. 48)	D.C.	B.S. 1937, The George Washington University	
Chew, Bernard Briscall (Eng. 43)	D.C.	†Clark, Louis Watts (Univ.)	Okla.
Chew, Thomas Gordon (Law I)	Ind.	†Clark, Louise Bayard (Jun. 18)	D.C.
Cheyney, Roland Pancoast (Eng. 49)	Va.	Clark, Marjorie Ida (Jun. 15)	Ill.
†Chichovsky, Roslyn (Jun.)	D.C.	Clark, Martha Loman (Jun. 70)	Md.
†Child, Elizabeth (Col., A.M.)	Wash.	Clark, Mary Virginia (Jun. 12)	D.C.
A.B. 1934, University of Utah		†Clark, Nellie Bancroft (Univ.)	D.C.
Chin, Stanley Quock Wing (Univ.)	D.C.	†Clark, Virginia Teresa (Univ.)	D.C.
B.S. 1932, Worcester Polytechnic Institute			
Chinn, Joseph William (Med. II)	Va.		
B.S. 1936, University of Virginia			

Clark, Walter Ernest (Col., A.M.) B.S. 1917, Virginia Military Institute	Va.	Cohen, Harry Louis (Law III)	D.C.
Clark, Weston R. (Grad., Ph.D.) B.S. 1911, University of Utah A.M. 1914, The George Washington University	Md.	Cohen, Morton (Jun.) †Cohen, Robert (Univ.) †Cohen, Sol (Jun. 62) Cohen, Sylvia Gold (Ed. 102) †Cohn, Jeanette (Jun. 21) Cohn, Joseph Robert (Jun. 30) Cohn, Elizabeth Gray (Univ.) A.B. 1922, Mount Holyoke College	D.C. Pa. N.Y. D.C. D.C. Conn. Md.
Clark, William Bert (Jun.) Clark, William Carl (Law I) B.S. 1936, Cumberland University	Ga. Tenn.	Cokemas, Nicholas Trephon (Jun.) Coker, Joseph Daniel (Grad., Ph.D.) A.B. 1911, A.M. 1917, The George Washington University	D.C. S.C.
Clarke, Alice Louisa (Col. 96) Clarke, Everette Ruscoe (Jun. 6) Clarke, Grant Leach (Jun. 46) Clarke, Harriet Brookfield (Law III) A.B. 1911, Wellesley College	Tex. Va. D.C. D.C.	Colbron, Nancy McDowell (Univ.) Colby, Fred Wesley (Law II) Cole, Charles William (Grad., Ph.D.) A.B. 1910, A.M. 1911, The George Washington University	D.C. N.Dak. Md.
Clarke, Kenneth Gordon (Univ.) Clarke, Loren Valentine (Jun.) Claudy, William Duvall (Med IV) A.B. 1914, The George Washington University	D.C. D.C. D.C.	†Cole, Elizabeth M. (Univ.) Cole, Elmer Clark (Law II) Cole, Henry James (Jun. 12) Cole, Paul B. (Jun.) †Cole, Robert Lee (Ed. 92) Cole, Samuel Herrell (Col., A.M.) B.S. 1914, University of Virginia Cole, Wesley Stevenson (Law I) M.E. 1932, Stevens Institute of Technology	Md. Ill. D.C. D.C. Ariz. D.C.
†Claxton, Arthur Kirby (Jun. 48) Clay, Alta Tunstall (Jun.) Clay, Oliver L. (Law II) A.B. 1932, University of Utah	Va. Ky. Utah	†Coleman, Benjamin Overton (Law I) Coleman, Cressington Reid (Law III) A.B. 1911, University of Michigan †Coleman, Edward Testell (Univ.) Coleman, Ernest Taylor (Law II) A.B. 1917, The George Washington University	Miss. Mich.
†Clayton, Bertha Ruth (Univ.) †Clayton, Betty Virginia (Jun. 21) Clayton, Charles William (Phar. 60) Clayton, Flora Marguerite (Col. 111) Clayton, John Robert (Jun. 10) †Clayton, Margaret Ann (Univ.) Clayton, Norman Watkins (Jun. 24) Cleck, Given (Univ.; Eng. 49) Clement, Lydia (Jun.)	N.C. Va. D.C. Md. Colo. Md. Md. Va. S.C.	Coleman, Ernest Taylor (Law II) A.B. 1917, The George Washington University	D.C. D.C.
†Clendenning, Zora Louvena (Ed. 57) Cleveland, Ruth F. (Law II) Cliff, Laura Farris (Col. 60) †Clifford, Dean Richard (Govt., A.M.) B.S. 1924, University of Pittsburgh Clifford, Patrick A. (Law I) †Clifford, Ralph S. (Col. 85) Clime, Arthur Westphall, Jr. (Jun. 10) Clorety, Joseph Anthony (Jun. 21) Close, Forrest (Law II) Graduate 1924, U. S. Naval Academy M.S. 1922, Harvard University	D.C. Mo. D.C. Pa. Va. Okla. D.C. Calif. Wash.	†Coleman, James Plemon (Law II) Coleman, Ota Capawan (Ed. 81) Coleman, Oscar Eugene (Jun. 30) †Coleman, Philip Cornelius (Jun.) Coleman, Rosemary Cecilia (Jun. 45) Coleman, Winifred Israel (Ed. 87) †Colgren, John Harold (Jun. 63) Coll, Luisa Alice (Jun.) †Collegeman, Sidney Murray (Col., A.M.) B.S. 1926, The George Washington University	Miss. N.C. Ark. Miss. Calif. D.C. D.C. D.C.
†Clover, Robert Maxwell (Univ.) Cluff, Harvey C. (Jun. 1614) Clulow, Ernest Edward, Jr. (Law III) A.B. 1916, The George Washington University	Va. Utah Okla.	Collett, Charles Ellsworth (Jun. 27) Collier, Anna Ruth (Ed. 24) Collins, Elmer Thomas (Jun. 60; Col.) Collins, Fred von Versen (Law III) †Collins, Georgia Rex (Univ.) Collins, James Murphy (Med. III) Collins, Jane (Law I) A.B. 1917, Sweet Briar College Collins, John Marks (Jun.) Collins, Lewis Garland (Univ.) A.B. 1914, University of Richmond Collins, Murray (Univ.) Collins, Row-L., Jr. (Univ.) Collins, Stanley Newcomb (Ed., A.M.) A.B. 1915, Bowdoin College L.L.B. 1912, The George Washington University	Minn. D.C. D.C. D.C. D.C. W.Va. Miss. D.C. Va. N.Y. Tenn. Va.
†Coburn, William Hoffman (Jun. 21) Cochran, Samuel William (Law I) †Cochran, Thomas Crider (Law III) A.B. 1920, University of Kentucky †Coe, Richard Livingston (Jun. 81; Col.) Coffey, Lyndall Hester (Jun. 50) Coffin, Martha Jane (Univ.) A.B. 1914, The George Washington University	Mont. Mont. Ky. N.J. D.C. D.C.	†Coleman, Emanuel M. (Univ.) B.S. 1915, The George Washington University Colmetz, Martha Louise (Jun. 12) †Coltman, Charles Lilly (Univ.) A.B. 1916, The George Washington University	Mass. D.C. D.C.
Coffman, Alta Winifred (Ed. 514) Coffman, Arthur George (Govt., 76) Coffman, Clarence Edwards (Jun.) †Coffin, John William (Univ.) Coggins, John W. (Law I) Cohen, Arthur Stanley (Law II) A.B. 1935, Lehigh University †Cohen, Frieda (Jun. 1)	Va. Ill. Okla. Fla. N.C. Md. N.Y.	†Coltrane, Charles Benjamin (Univ.)	D.C.



†Coltrane, Morrison (Univ.) A.B. 1911, University of Texas	D.C.	†Coon, Janet Elvira (Jun.) Cooper, Claude E. (Med. II) B.S. 1934, The George Washington University	Md. Md.
†Colver, June (Jun. 12)	D.C.	Cooper, Donald Herbert (Col. 107)	Wash. D.C.
†Connack, Henry (Col., A.M.) B.S. 1913, College of the City of New York	N.Y.	Cooper, Ella Gibson (Law II)	D.C.
Comer, Joseph Henry (Jun.)	D.C.	†Cooper, Hyman Solomon (Univ.)	N.Y.
Comins, Eben F. (Univ.)	D.C.	†Cooper, Joseph David (Jun. 39)	N.Y.
*Commerford, Leon, Jr. (Eng. 116)	D.C.	Cooper, Walter Trexler (Law II)	Pa.
Comulachi, Edward Vincent (Univ.)	N.Y.	†Coopersmith, Jack (Univ.)	D.C.
†Condellario, Richard Paul (Govt., A.M.) B.S. 1917, University of Kansas	S. Dak.	Cooter, Irvin L. (Col., A.M.) B.S. 1934, The George Washington University	Okla.
Cone, Walton Owen (Jun. 45)	Md.	Copeland, Alfred (Univ.)	N.Y.
†Conelby, Harold (Law II)	D.C.	Coplan, Benjamin Jacobs (Law I)	Ala.
†Cones, Harold Nelson (Jun. 72)	Mich.	B.S. 1919, Alabama Polytechnic Institute	
Condon, Gordon Hall (Med. II)	Wash.	Copperman, Hannah (Jun. 9)	Pa.
†Conkey, Ralph Hill (Jun. 57)	D.C.	†Copping, Edward John, Jr. (Jun.)	D.C.
†Conley, Joseph Frank (Law I) A.B. 1921, University of Kentucky	Ky.	Corbett, Don Cecil (Law I) A.B. 1928, Brigham Young University	D.C.
Conlon, Charles Francis, Jr. (Law III)	D.C.	Corbett, Eleanor Marie (Col. 60)	Conn.
Conlyn, Andrew Grant (Eng. 40)	D.C.	†Corbett, James Henry (Jun. 3)	Ga.
Conlyn, Robert Marshall (Eng. 6)	D.C.	†Cordes, John Leo (Jun.)	D.C.
*Connolly, John Waldo, Jr. (Law, LL.M.) B.S. 1923, Georgetown University	Va.	†Cordrey, Roselyn (Univ.)	Md.
A.B. 1921, LL.B. 1927, The George Washington University		†Corey, Sarah Lee (Jun.)	Ill.
Conner, James Rodney (Jun.)	Va.	Corker, Charles Edward (Jun. 53)	Idaho
Conner, John Davis (Law III)	Tex.	Corkhill, Mary Elizabeth (Jun. 30)	D.C.
A.B. 1933, Baylor University		†Cornthwaite, Clayton Randall (Univ.)	D.C.
Connerat, George Hillyer (Law III)	Ga.	Corridon, Alice Elizabeth (Univ.)	D.C.
A.B. 1932, University of Georgia		A.B. 1937, The George Washington University	
M.B.A. 1934, Harvard University		Corridon, Margaret Marie (Univ.)	D.C.
Connerat, Robert Vincent (Law III)	Ga.	Cory, Calvin Macell (Jun. 9)	Nev.
A.B. 1931, University of Georgia		†Cory, Mary O. (Univ.)	Miss.
†Connerty, Ruth Huntington (Ed. 106)	D.C.	Cosdon, Walter Barry (Law I)	Va.
†Connolly, Byron Patrick (Univ.)	Mont.	B.S. 1935, Virginia Military Institute	
†Connolly, John Alvin (Univ.)	Md.	Costantini, August Mario (Govt. 86)	R.I.
†Conrad, Dorothy Horton (Jun. 60)	Ohio	Costello, Jane Elizabeth (Jun.)	D.C.
†Conrath, Helen Gail (Jun.)	Ill.	Coston, Frances Murice (Ed. 94)	N.Y.
†Considine, George B. (Univ.)	D.C.	Cottingham, Richard Ted (Ed. 115½, A.M.)	Oreg.
†Contessa, Jasper Charles (Univ.)	D.C.	B.S. 1938, The George Washington University	
Conti, Joseph G. (Law I)	N.Y.	Cottony, Herman Vladimir (Univ.)	N.Y.
B.S. 1928, University of Buffalo		B.S. in E.E. 1942, Cooper Union Institute of Technology	
†Conway, Harvey E. (Jun.)	Okla.	M.S. in E.E. 1944, Columbia University	
Cook, Charles Francis (Eng. 30)	Va.	Cottrill, Frederick Dale (Jun. 34)	D.C.
Cook, Coleman Pickett (Law III)	Ga.	Couch, Cecilia Louise (Col. 93)	Va.
Cook, David Lewis (Univ.)	Kans.	*Coughlin, John Joseph (Col. 109)	N.Y.
Cook, Donald Clarence (Law II)	D.C.	Coulbourne, Marguerite Sproull (Jun. 21)	Md.
A.B. 1932, M.B.A. 1935, University of Michigan		Coulter, Jane Marie (Jun. 31)	D.C.
Cook, Edward Russell (Jun. 66)	Md.	Coulter, John Breitling, Jr. (Univ.)	Tex.
D.D.S. 1930, University of Maryland		Coulter, Virginia Louise (Jun. 26)	Colo.
Cook, Harry Morsehead (Jun.)	Va.	†Counselman, Isabella Victoria (Col. 91)	Md.
†Cook, John Edward (Univ.)	Pa.	†Counts, Ruth Mary (Jun., Uncl.)	D.C.
†Cook, Perry Edgar (Univ.)	D.C.	†Copperthwaite, William Joseph (Jun. 24)	Pa.
†Cooke, Charles Lawrence (Univ.)	D.C.	Courtney, John Cal (Jun.)	S.C.
†Cooke, Mabel Virginia (Jun. 24)	D.C.	Courtney, Ralph Liady (Jun. 47)	D.C.
Cooke, Richard Wingfield, Jr. (Law I)	N.J.	Cousins, Edna Vernelle (Jun. 6)	N.C.
M.E. 1932, Stevens Institute of Technology		†Covey, Margaret Louise (Univ.)	S. Dak.
†Cooke, Thomas Blacknall (Eng., Uncl.)	N.C.	Covey, William Benjamin (Col. 72)	D.C.
A.B. 1930, College of William and Mary		Cowgill, Evelyn Louise (Col. 72)	Md.
Cooley, Vernon Edgar (Law I)	Va.	Cowgill, William Henry (Col. 100)	Md.
B.S. 1939, Michigan State Teachers College, Western		Cowling, James Edward (Eng. 60)	D.C.
†Coombs, Daniel Stickney (Univ.)	D.C.	Cox, A. Leckie (Law I)	Va.
A.B. 1921, The George Washington University		B.S. 1912, University of Virginia	
A.M. 1926, Columbia University		†Cox, Carol-Lee (Jun.)	D.C.

# Students Registered

XXXV

Cox, Cecil Thomas (Law I) B.S. 1934, Northwestern University	Va.	Crutchfield, Harry McClure (Univ.) B.S. 1925, North Dakota Agricultural College	S. Dak.
Cox, Grace Secluseval (Jun. 23½)	Va.	Crites, Kenneth K. (Col., A.M.) A.B. 1932, Salem College, West Virginia	W. Va.
Cox, Jane Leslie (Ed. 114½)	Va.	*Crocia, Nina Marie (Col. 123)	D. C.
†Cox, Lawrence Morgan (Jun. 18)	Va.	†Crocker, Marcia Elisabeth (Jun.)	Md.
Cox, Mary Louise (Jun. 13)	Ill.	Croft, Anne Gertrude (Jun. 12)	Va.
†Cox, Mary Warrington (Jun. 11)	Kans.	Croft, George W. (Jun. 54)	D. C.
Cox, Mary Winifred (Ed. 77)	Mass.	Croner, George William (Col., A.M.) B.S. 1921, University of Illinois	D. C.
Cox, Oral Guy, Jr. (Univ.)	D. C.	†Cronenberg, William Charles, Jr. (Jun. 16)	D. C.
Cox, Philip Archelaus (Med. I)	D. C.	†Cromin, Richard Bernard (Jun.)	Ill.
Cox, Richard Martin (Law I) A.B. 1937, The George Washington University	N. C.	†Cromin, William Francis (Univ.)	N. Y.
Cox, Robert Eugene (Jun. 10)	Ga.	†Crosby, William (Govt. 119)	Ark.
Cox, Thomas Lawson (Jun. 18)	Ga.	†Crosby, Lois Rebecca (Ed. 62)	D. C.
Cox, William Stanley (Ed., A.M.) A.B. 1932, Arkansas State Teachers College	Ark.	†Crosby, Benjamin Lincoln (Med. IV) B.S. 1934, University of California	D. C.
†Coy, Henry John (Jun. 11)	Utah	†Crosby, Ronald Vance (Jun. 16)	Pa.
Cragg, Margaret Elizabeth (Ed., A.M.) B.S. 1934, Wilson Teachers College	D. C.	*Crossetto, Albert George (Col. 111)	Pa.
Cragin, Lezey Jane (Jun.)	D. C.	Cross, James Garland, Jr. (Ed., A.M.) B.S. 1935, The George Washington University	Md.
†Craig, Katherine Griswold (Jun. 12)	Okla.	Cross, Laura Elizabeth (Law III) A.B. 1923, Lindenwood College	Mo.
†Craig, Marion Edith (Univ.) A.B. 1900, The George Washington University	D. C.	Litt. B. 1925, Columbia University	N. Y.
Craig, Robert Eugene (Law II) B.S. in C.E. 1935, West Virginia University	W. Va.	Cross, Sydney Estey (Jun. 69)	D. C.
Craighill, George Bowdoin, Jr. (Law II) A.B. 1936, University of the South	D. C.	Crossfield, Philip (Eng. 50)	D. C.
Crain, Alan Rau (Med. II)	D. C.	Croft, Francis William (Law I) B.S. in E.E. 1934, Brooklyn Polytechnic Institute	D. C.
†Cramer, Dorothy (Univ.)	D. C.	Crouch, Edward Calhoun (Law II) A.B. 1916, The George Washington University	D. C.
Cramer, Robert Stanley (Jun. 15)	D. C.	Crouch, Paul Clinton (Jun. 114)	D. C.
Cramer, William Ford, Jr. (Col. 96)	D. C.	Crouch, Ruth Emeline (Jun.)	Tenn.
Crammer, Robert Reynolds (Jun. 18)	N. J.	Crouch, William Henry (Law II) A.B. 1937, The George Washington University	Tenn.
Crampton, Guy Edwin (F.A. 112)	D. C.	Crouse, William Austin (Eng. 110)	Minn.
Crampton, Hilda Alston (Jun. 30)	D. C.	†Crowley, Kathryn Crane (Jun. 22)	Wash.
Crampton, Scott Paul (Law II) A.B. 1935, American University	Ohio	Crump, Warren Clifford (Eng. 87)	D. C.
Crandall, Clarence Leroy (Jun. 39)	Ariz.	Cubbage, Saylor Casper (Ed., Ed. D.) A.B. 1936, Bridgewater College	D. C.
Crandall, Lyle Quinten (Univ.)	Ariz.	A.M. 1931, University of North Carolina	D. C.
†Crane, Doris Ruth (Univ.)	Md.	Cudmore, Arthur Spargo (Jun.)	Wis.
†Crane, Ida (Jun. 12)	Ill.	†Cullen, John Paul (Univ.) LL.B. 1922, University of Notre Dame	
Crane, Leo Stanley (Eng. 123)	D. C.	A.B. 1928, A.M. 1930, The George Washington University	Kans.
Cranksaw, Harold George (Ed., Ed. D.) B.S. 1928, Carnegie Institute of Technology	D. C.	Culver, Helen Eloy (Univ.)	
A.M. 1932, Cornell University	Va.	Cumiford, Norma Antonette (Jun. 26)	Md.
†Crawford, Elisabeth B. (Univ.)	D. C.	Cummings, Allen James (Jun. 12)	Colo.
Crawford, Frances Victoria (Jun. 86)	D. C.	†Cane, Frederick Louis (Govt. 76)	Conn.
†Crawford, Jessie Emma (Univ.)	D. C.	†Cunningham, Vito (Jun. 28)	N. Y.
†Crawford, Louise Ford (Univ.)	D. C.	†Cunningham, Doris (Jun.)	N. J.
B.Des. 1933, Tulane University		†Cunningham, Jane (Jun.)	D. C.
Creagh, Joseph William (Jun. 47)	Pa.	Cunningham, Sammy (Jun. 12)	Okla.
Creath, Lawrence Boyd (Govt., A.M.) A.B. 1935, Parsons College	Iowa	Cupples, Homer L. (Law II) B.Ch. Eng. 1921, M.S. 1922, Ph.D. 1924, Ohio State University	Va.
Creel, Edna Mae (Jun. 6)	D. C.	Cureton, Stewart (Law II) A.B. 1935, University of California, Berkeley	Calif.
Creel, Mable Virginia (Jun. 6)	D. C.	Curington, Lawrence J. (Univ.)	Va.
Cregan, Cullen Anthony (Col., A.M.) A.B. 1936, Columbia University	N. Y.	Curran, Harold W. (Govt., A.M.; Univ.)	Md.
Creighton, Edwin Milo (Jun. 48)	Kans.	A.B. 1912, The George Washington University	
Crew, Albert Christian (Govt., A.M.) B.S. 1933, Miami University	Ohio		
Crickman, Mabel Cordes (Univ.)	Md.		
Crickman, William Warren (Univ.)	Ill.		
Criener, Alvin Milton (Jun. 39)	Idaho		
Cris, Winifred Ann (Jun. 21)	D. C.		
Crist, Richard Lee (Law I) A.B. 1936, Princeton University	Pa.		
Criswell, Daryl Leland (Eng. 48)	Ind.		
Crutchfield, Charles Louis (Grad., Ph.D.) B.S. 1934, A.M. 1936, The George Washington University	D. C.		

Currier, Prescott Hunt (Jun. 30)	N.H.	Davis, Benjamin Lawrence (Col., A.M.)	Ohio
†Curry, Francis Joseph (Univ.)	Pa.	B.S. 1917. The George Washington University	
Curry, Lillian May (Jun.)	Pa.	Davis, Courtland Harwell, Jr. (Jun.)	Va.
Curry, Ralph Roy (Law III)	D.C.	Davis, David McClure (Law III)	Va.
Graduate 1930. U. S. Coast Guard Academy		B.S. in E.E. 1931. Princeton University	
†Cusick, Henry Bernard (Univ.)	Wis.	†Davis, Edward Hewett (Jun. 3)	Tex.
Custis, Henry Norment (Law II)	D.C.	Davis, Facius Wesley (Jun., Uncl.)	Va.
A.B. 1916. Hampden-Sydney College		LL.B. 1925. The George Washington University	
†Custis, Marjory Elaine (Univ.)	D.C.	Davis, Frank Elwood (Jun. 30)	D.C.
Cutting, Maebelle Frances (Jun. 15)	D.C.	Davis, Fremont (Eng. 34)	D.C.
Cuvillier, Eugenia (Med. IV)	D.C.	Davis, George Evan (Law II)	Tenn.
B.S. 1930. A.M. 1931. The George Washington University		A.B. 1935. King College	
Sc.D. 1936. Johns Hopkins University		Davis, George Vroom (Law III)	Ky.
Cuvillier, Louis Marshall, Jr. (Med IV)	D.C.	B.S. 1937. The George Washington University	
<b>D</b>			
Dacy, Katherine (Jun.)	D.C.	†Davis, Gladys Muriel (Univ.)	D.C.
Dahl, Hazel I. (Jun. 72)	Minn.	†Davis, Harold Arthur (Jun.)	D.C.
Daiker, Barbara Virginia (L.S., Uncl.)	D.C.	Davis, Harry Maxwell (Law II)	Ala.
A.B. 1932. University of Maryland		B.S. 1932. Alabama Polytechnic Institute	
Dailey, Lucile Coy (Jun. 41)	Calif.	†Davis, Helen Moore (Univ.)	Va.
•Dale, Chester Nicholas (Col., A.M.)	D.C.	Davis, Herbert Allison (Univ.)	Md.
D.V.M. 1919. Ohio State University		Davis, Jack Butler (Law II)	D.C.
†Daleda, Joseph (Law I)	Mass.	Davis, Jack Clemens (Law III)	D.C.
B.S. in M.E. 1934. Massachusetts Institute of Technology		B.S. in Eng. 1936. The George Washington University	
†Dalke, Muriel Gladys (Col. 80)	D.C.	Davis, John Haywood (Jun. 59)	Va.
Dalrymple, Charles Ellis (Jun. 30)	D.C.	†Davis, Malcolm (Jun. 62½)	D.C.
Dalrymple, Winston Post (Jun. 3)	Md.	Davis, Mary Margaret (Col., A.M.)	D.C.
Daly, Agnes Genevieve (Col. 99)	D.C.	A.B. 1937. The George Washington University	
†Daly, Alma Marie (Jun.)	D.C.	†Davis, Marye Lou (Univ.)	D.C.
Daly, Cecelia Ann (Jun. 38)	D.C.	†Davis, Nellie Olive (Univ.)	D.C.
†Daly, Mary Helen (Jun. 6)	Md.	B.S. 1929. University of Maryland	
Dalzell, Clara Kern (Univ.)	Va.	†Davis, Norma Winifred (Law I)	Utah
Dalzell, Harry Paskins (Univ.)	Va.	B.S. 1935. University of Utah	
Damewood, Russell Edge (Eng. 9)	Tenn.	Davis, Robert I. (Univ.)	D.C.
†Danaczko, Margaret (Univ.)	D.C.	A.B. 1931. The George Washington University	
†Daniel, Deborah Ewin (Univ.)	D.C.	Davis, Rosanna (Ed., A.M.)	Colo.
B.S. 1934. The George Washington University		A.B. 1930. Colorado State College of Education	
†Daniel, John Buford (Jun. 12)	Okla.	Davis, Roy Tasco, Jr. (Govt., A.M.)	Md.
Daniel, William Aglionby, Jr. (Law III)	Md.	A.B. 1937. University of Missouri	
Danish, Abraham Wolfe (Med. I)	D.C.	†Davis, Sarah Violet (Ed. 66)	Okla.
Danish, Jacob Mayr (Med. II)	D.C.	Davis, Thomas Houston, Jr. (Law I)	D.C.
A.B. 1937. The George Washington University		B.S. 1934. Georgia School of Technology	
†Danza, Patsy Frank (Jun.)	N.Y.	Davis, Thomas McCormick (Law III)	Ky.
Danziger, Littman (Jun. 66)	Tex.	B.S. in E.E. 1929. University of Louisville	
Darrow, Virginia (Jun. 31)	D.C.	M.S. in E.E. 1931. Yale University	
Darter, Oscar Haddon (Ed., Ed.D.)	Va.	Davis, Vernon Ira (Jun. 20)	Md.
A.B. 1922. Oklahoma East Central State Teachers College		†Davis, Willis O'Niell (Jun. 24)	Ohio
A.M. 1926. Columbia University		Davison, Ruth Lowe (Ed. 112)	D.C.
Daschke, August John (Eng. 49)	Mich.	Davitt, John Edmond (Col. 105)	Ala.
Daugherty, John Thomas Cotton (Jun. 54)	Minn.	Davy, Charles Duncan (Jun.)	D.C.
Daugherty, Ralph Edgar (Law I)	Fla.	†Dawes, Gladys Meredith (Jun. 91)	Ky.
A.B. 1931. University of Florida		Dawson, Allen C. (Law II)	Ill.
†Davenport, Henry Fred (Univ.)	Ill.	Ed.B. 1935. Southern Illinois State Normal University	
Daves, Elsie V. (Univ.)	Ill.	Dawson, Grail Richard (Jun.)	D.C.
Davey, William Francis (Jun. 48)	N.Y.	†Dawson, Harvey McClary (Univ.)	D.C.
David, Anne Joyce (Jun. 45; Col.)	Fla.	Dawson, Roger Ralph (Jun. 24)	Mont.
Davidson, Florence (Jun. 17)	Md.	Dawson, Virginia Constance (Col. 60)	Md.
Davidson, Ida Parker (Law II)	Va.	†Day, Robert Bruce (Univ.)	Tex.
A.B. 1923. Ohio State University		DeAlba, Laura Elena (Col. 60)	D.C.
Davidson, James Campbell (Col., A.M.)	Mo.	Dean, John Joseph (Jun. 15)	N.Y.
A.B. 1935. William Jewell College			
Davidson, John Irving (Eng. 38)	Colo.		



Dean, Mildred (Univ.)	D.C.	*DeVau, Joseph Harold (Law III)	Md.
A.B. 1909, Goucher College		B.S. 1911, University of Pennsylvania	
DeAngelo, Vincent James (Jun. 82)	N.Y.	Devine, Frank Joseph (Jun. 27 53)	Wyo.
Deasy, John Paul (Law 20)	D.C.	†Devonald, Ira Richard (Govt. 106 54)	D.C.
†Dechene, Rose Marie (Univ.)	D.C.	DeVore, Thelma B. (Univ.)	D.C.
Dechert, Joseph Alford (Jun.)	D.C.	DeWeese, Dorothy Munnikhuysen	D.C.
†Deek, Harry W. (Law I)	Ill.	(Univ.)	Iowa
A.B. 1912, University of Wisconsin		Dewey, Allen Leonard (Jun.)	D.C.
Dedick, Andrew Paul, Jr. (Jun. 24)	D.C.	Dewhurst, Howard Homer (Jun. 64)	D.C.
Dedick, Eugene Andrew (Univ.)	D.C.	†deWitt, Hazel Kearney (Univ.)	D.C.
Dedman, Bertram Catterham (Law I)	Tenn.	A.B. 1911, B.S. 1912, University of Missouri	
A.B. 1917, University of the South		A.M. 1918, Columbia University	Utah
Deener, Elizabeth Margaret (Ed. 114)	D.C.	†Dewstap, Ralph LeRoy (Col. A.M.)	
†Deeney, Margaret Mary (Ed. A.M.)	D.C.	B.S. 1916, University of Utah	
B.S. 1915, Pennsylvania State		Diamond, William John (Law II)	Iowa
Teachers College, Kutztown		Dick, Ruth Eleanor (Ed. 98)	D.C.
Dees, Joseph Michael, Jr. (Jun. 34)	Miss.	Dickens, Nell Mae (Col. 71)	D.C.
Deeters, Edward William (Eng.)	Va.	Dickens, Paul Frederick, Jr. (Med. III)	D.C.
deGanahl, Joe (Law II)	N.Y.	A.B. 1916, The George Washington	
A.B. 1925, Harvard University		University	
DeGalia, Darwin Jack (Univ.)	D.C.	Dickerson, Lena Evelyn (Jun. 12)	D.C.
Ph.B. 1927, Yale University		Dickerman, Delight (L.S. 66)	N.Y.
†DeGuey, Jack Albert (Univ.)	Utah	Dickerman, Jane (Law I)	Conn.
Deibert, Schrey Harvey (Jun. 15)	Pa.	A.B. 1912, Middlebury College	Va.
DeJaney, Mildred A. (Ed., A.M.)	D.C.	Dakey, Allen Joyner (Jun. 100, Col.)	Ga.
A.B. 1926, Trinity College, District		Dakey, Marcia Warren (Jun.)	Md.
of Columbia		†Dickinson, John Foster (Univ.)	S.C.
DeLaugel, Clara Louise (Jun. 12)	D.C.	Dickson, Maxey Robson (Grad., Ph.D.)	
D'Ella, Fred Angelo (Jun.)	D.C.	A.B. 1925, Wofford College	
†DeSesto, Lola Elda (Univ.)	R.I.	A.M. 1911, University of North	
†DeLong, Harry L. (Govt., A.M.)	W.Va.	Carolina	
A.B. 1916, West Virginia University		Dienstl, Anne Elizabeth (Jun. 64)	Ala.
†DeLville, Katharine Nelson (Jun. 12)	Va.	Dierberger, Wesley Arthur (Law III)	Mont.
†DeVeddo, Helen Marie (Jun. 12)	D.C.	B.B.A. 1913, University of	
DeMk, William J. (Law II)	Ill.	Washington	
†Deming, Harry Leroy (Ed., A.M.)	D.C.	Dietrich, Earl Donald (Jun.)	Pa.
B.S. 1916, The George Washington		†Diaz, Richard Hauser (Eng. 106)	Pa.
University		B.S. in E.F. 1928, Gettysburg	
DeMott, George Lynn (Univ.)	D.C.	College	
B.S. 1919, Syracuse University		DiFrancesco, Vincent (Med. II)	D.C.
*Deuce, Walter Edward (Law III)	Ohio	Dill, Wendell M. (Jun. 16)	Ohio
A.B. 1912, University of Toledo		Diller, Charles Carvel (Jun. 92)	D.C.
Deupler, Helen Marjorie (Col. 93)	D.C.	Dillon, Billy Neal (Law I)	Tex.
Denham, Kirkwood (Jun.)	W.Va.	A.B. 1915, Daniel Baker College	
Denis, Reid Marsh (Univ.; Jun. 102)	D.C.	A.M. 1917, University of Texas	
†Dennett, Eile V. (Univ.)	D.C.	†Dillman, Geraldine (Col. 87)	D.C.
B.S. 1910, Georgia State College		Dinaburg, Aaron Gordon (Univ.)	N.Y.
for Women		Col. A.M.)	
Dennis, John Value (Jun. 10)	D.C.	A.B. 1915, Brooklyn College	
Dennis, Lindley Haug (Ed., Ed. D.)	Md.	Dinias, Wallace Elllette (Jun.)	Tex.
B.S. 1912, Pennsylvania State College		†Dinswatter, Lillian (Univ.)	D.C.
A.M. 1913, Columbia University		Dismore, Andrew M. Donald (Law I)	Ala.
Dennis, Lowell Mansleyville (Jun.)	Ala.	†Dismore, John David (Law I)	Ala.
Dent, John Claxton (Eng., Uncl.)	D.C.	A.B. 1910, University of Alabama	
Denton, Howard Dunn (Jun. 16)	Ill.	Donsolo, Thomas M. (Col. 75)	D.C.
†DeNunzio, Alfred Joseph (Univ.)	D.C.	Dorler, Oscar Charles (Jun. 12)	Pa.
†Deposna, James William (Univ.)	D.C.	†Dorler, Florence Elizabeth (Jun. 6)	D.C.
DePriest, Charles Wesley (Univ.)	D.C.	Dorler, Norman William (Jun. 28)	D.C.
Depro, Lewis F. (Law I)	Mass.	†Doran, Mylatta Selma (Law I)	Ark.
Ph.B. 1913, College of the Holy Cross		Ph.B. 1915, University of Chicago	
Dermdy, Woodrow Grimes (Jun. 54)	Ohio	Dorsey, Vernon Harden (Law III)	Kans.
Derr, George Lewis (Law I)	Pa.	B.S. in Eng. 1916, The George	
Derrick, William Sheldon (Jun. 51)	D.C.	Washington University	
Derrig, Raymond Edwin (Med. II)	Idaho	Dubson, Thomas William (Jun. 57)	Maine
B.S. 1913, University of Idaho		Dodd, Roxana Julia (Jun. 1)	D.C.
†Derry, Kathryn Stroup (Univ.)	D.C.	Dodge, Clarence, Jr. (Law I)	D.C.
A.B. 1927, Oberlin College		A.B. 1916, Princeton University	
†Desch, Paul Leonard (Jun.)	D.C.	†Doe, Lorna Duane (Ed. 101)	Minn.
Desgalier, Marcel, Jr. (Govt. 62)	N.Y.	†Dobson, Martin Moore (Col. 96)	N.J.
DeSlazo, Katherine Alexander (Jun. 26)	D.C.	Dobson, Harry Douglas (Law II)	Tenn.
†Desmaras, Blanche Prangley (Univ.)	D.C.	Doe, Paul Luckel (Ed., A.M.)	D.C.
†Detmer, Martha Laura (Jun.)	Md.	A.B. 1928, University of Maryland	
*Detre, Doris D. (Col. 103)	D.C.		

Doggett, Frances Towers (Ed., A.M.)	D.C.	§Dresner, Evelyn Edith (Jun.)	N.J.
A.B. 1926, Vassar College		Drexler, Milton (Univ.)	N.Y.
Doherty, Margaret Ann (Univ.)	Pa.	B.S. 1934, Massachusetts Institute of Technology	
Dokken, Naval Cathlamet (Govt. 94)	Minn.	Drimmer, Saul (Col. 75½)	N.Y.
Domano, Alice Elizabeth (Jun. 28)	Kans.	Driscoll, John Berchmans (Eng. 12)	D.C.
Donacher, Richard William (Jun. 21)	Calif.	†Drummond, Elizabeth Semple (Univ.)	D.C.
Donald, Howard Alexander (Med III)	N.Y.	Drummond, Sallie Berkeley (Jun.)	D.C.
Donn, Frederick (Med I)	D.C.	Druy, Addie Esther (Jun. 6)	Va.
†Donnelly, John Joseph, Jr. (Eng.)	D.C.	Druy, John Burke (Law II)	Va.
†Donoghue, Frances Regina (Jun.)	Calif.	A.B. 1934, The George Washington University	
Donoghue, James Joseph (Univ.)	Calif.	Druse, Katharine (Ed., Ed.D.)	D.C.
B.S. 1917, The George Washington University		A.B. 1916, Iowa Wesleyan College	
†Donoghue, Mary Eleanor (Ed. 127)	D.C.	A.M. 1928, Columbia University	
Donoho, Donovan Haskell (Law, LL.M.: Col. 86¾)	Ala.	Dryden, Olga Mary (Jun. 9)	D.C.
LL.B. 1917, The George Washington University		Dryer, David Alan (Col., A.M.)	D.C.
Donovan, Jack Theodore (Eng. 119)	R.I.	A.B. 1911, The George Washington University	
†Donovan, Mary Josephine (Jun.)	Mass.	Duberstein, Norman (Law I)	N.Y.
Doonan, Robert J. (Law I)	Wis.	B.S. 1932, College of the City of New York	
A.B. 1916, The George Washington University		†Dubivsky, Anne (Jun.)	N.J.
†Dooley, Flossie Louise (Univ.)	Pa.	Dublin, Jack (Jun. 62; Col.)	Colo.
Dootson, John Todd (Law III)	Wash.	Dubocq, Charles Anthony (Jun. 51)	Fla.
Dorfman, BeBe (Jun. 9)	D.C.	Duck, Jesse Thomas (Univ.)	Tenn.
Dorina, Earl Nelson (Law II)	Utah	B.S. 1934, Union University, Tennessees	
Dorney, Celeste (Jun. 30)	Va.	Dudley, Robert Earl (Eng. 21)	Tenn.
Dorsett, Harold Lee (Jun. 72)	D.C.	Duffy, Margaret Elizabeth (Jun.)	D.C.
Dorsey, Charles Bennett (Jun. 74)	D.C.	Duffy, Thomas John (Univ.)	Pa.
†Dorsey, John Lawrence (Univ.)	Ky.	†Duganne, Louise Randall (Univ.)	D.C.
Dotson, Dan Keating (Univ.)	D.C.	Dugas, Mona B. (Univ.)	La.
Doty, Frances V. (Ed., A.M.)	Nev.	A.B. 1936, Louisiana State University	W.Va.
A.B. 1924, University of Louisville	D.C.	Dumas, Alfred James (Law III)	D.C.
Doty, Myldred Marguerite (Jun.)	Va.	†Dunbar, Marguerite Mary (Ed., A.M.)	
Doyle, Edward Talbert (Univ.)	D.C.	A.B. 1914, New York State College for Teachers	D.C.
Doyle, Verda Mary (Col. 101½)	Mich.	†Duncan, Robert Hunt (Univ.)	Va.
Douglas, Frances Palmer (Jun. 30)	Fla.	Dungan, Doris Louise (Ed., A.M.)	
Douglas, Walter Robinson (Eng. 67)	D.C.	B.S. 1917, The George Washington University	
Dove, Laura Virginia (Jun. 12)	D.C.	Dunham, Frank Clyde (Univ.)	D.C.
Dove, Samuel (Phar. 96)	D.C.	Dunham, Jean LaVell (Jun. 32)	D.C.
B.S. 1926, Wilson Teachers College		†Dunmore, C. William (Jun.)	N.Y.
Dowd, Thomas Nathan (Jun. 57; Govt.)	Iowa	†Dunn, Dorothy James (Jun. 2)	Va.
†Dowling, Saidee Elise (Univ.)	D.C.	LL.B. 1925, The George Washington University	
B.S. 1932, John B. Stetson University		†Dunn, Mary Armour (Univ.)	D.C.
Downey, Paul William (Eng. 96)	Pa.	Dunn, Robert Edward (Univ.)	D.C.
Downie, Thomas Fiskine (Law I)	Ark.	Durham, Tom Austin (Law III)	Wash.
A.B. 1916, Davidson College		Durnbaugh, Evelyn Grace (Ed., A.M.)	D.C.
†Doxey, Alberta O. (Jun.)	Utah	A.B. 1913, The George Washington University	
Doxey, Roy Watkins (Col. 110¾)	Utah	Durnell, James Rowland III (Univ.)	Md.
Doyle, Peter Joseph (Jun. 9)	La.	†Durrett, Martin Marshall (Law, LL.M.)	D.C.
Doyle, Robert Carr (Jun.)	D.C.	A.B. 1929, University of Kentucky	
†Doyle, Thomas Roy (Univ.)	Pa.	LL.B. 1932, University of Virginia	
Doyle, Vernon Myler (Jun. 56)	Tenn.	Durst, Barbara Alice (Univ.)	D.C.
Draiser, Abe M. (Jun. 54)	Tex.	Dutto, Bartholomew Joseph (Med. IV)	N.Y.
†Drake, Beulah Jones (Ed., A.M.)	D.C.	B.S. 1934, Catholic University of America	
A.B. 1931, The George Washington University		Duvall, Allen Joseph (Univ.)	D.C.
Drake, Joseph Richard (Univ.)	Pa.	Duvall, Mabel Belle (Jun.)	Va.
†Drance, Andrew (Univ.)	N.Y.	Dvorchak, George Edward (Med. IV)	Pa.
†Draper, Elizabeth Kohl (Univ.)	D.C.	B.S. 1933, St. Francis College, Pennsylvania	
A.B. 1924, A.M. 1933, The George Washington University		Dwyer, Edward James (Law III)	Va.
Draper, Warren Fales (Med. III)	Va.	A.B. 1930, St. John's College	
A.B. 1915, Amherst College		M.M.E. 1933, Johns Hopkins University	
†Drazin, Mollie Faye (Jun. 12)	D.C.	Dyck, Homer Davis (Col., Und.)	Kans.
Drazin, Irving (Govt. 92)	Ill.	Dye, Archie Wellons, Jr. (Jun. 71)	N.C.
†Drees, Dorothy (Univ.)	Va.		
Dreiser, Lilian Hauser (Jun. 6)	Ill.		
Dreskin, Herman Oscar (Med. I)	N.J.		
B.S. 1916, Dickinson College			



Dye, Norma Avanelle (Jun. 6)	III.	Edwards, George Alfred (Govt. 98)	Md.
†Dyer, Evelyn Virginia (Ed. 63)	Va.	Edwards, Jesse Hale, Jr. (Jun. 54)	Okla.
Dyer, Nellie Lee (Jun. 9)	D.C.	Edwards, John Albert (Jun. 34)	Vt.
Dyer, Russell (Eng. 62)	D.C.	Edwards, Lloyd Lobley Grant (Jun.)	D.C.
Dyke, Irvin Sawyer (Govt. 102)	D.C.	Edwards, Luther Rice (Law II)	Va.
Dykes, Frances Henry (Univ.)	Tenn.	B.S. 1932, Virginia Polytechnic Institute	
Dykes, James M. (Eng. 98)	D.C.	†Edwards, Ora R. (Univ.)	Utah
E			
†Eadie, Douglas Graham (Law II)	D.C.	Edwards, Virginia Ellen (Law I)	Ark.
A.B. 1936, B.S. 1936, Wheaton College, Illinois		A.B. 1915, University of Arkansas	
†Eagleston, Gyneth Ione (Jun. 6)	D.C.	Edwards, Walter Robert (Jun. 50)	Miss.
Earl, Rulon A. (Law II)	Nev.	Eells, Kenneth Walter (Col., A.M.)	Calif.
A.B. 1936, The George Washington University		A.B. 1937, The George Washington University	
Eason, Doris Jennett (Col. 90)	D.C.	†Eert, Millan L. (Law III)	Maine
Eason, Louise Evelyn (Univ.)	Tex.	A.B. 1930, Colby College	
Eastham, Edwin Marion (Jun.)	Va.	Egre, Julian S. (Law III)	Wis.
Eastham, Mary Frances (Jun. 30)	D.C.	Ehlshlager, Adam Charles (Col., A.M.)	Md.
Eastin, Roy Brandon, Jr. (Jun. 21)	Ky.	A.B. 1936, The George Washington University	
†Eastman, Terttu (Jun. 9)	Wash.	Ehrhard, James Tyner (Eng. 11)	D.C.
Easton, William Heyden (Col., A.M.)	Ind.	†Ehrmantraut, John Edward (Jun. 96)	D.C.
B.S. 1917, The George Washington University		Eberle, Evelyn (Col. 92)	D.C.
†Eastwood, Lenora Edna (Jun.)	W.Va.	Eisenberg, William Victor (Col., A.M.)	N.Y.
Eaton, John Howland (Law I)	N.Y.	A.B. 1934, Brooklyn College	
Ph.B. 1936, Dickinson College		Eisenhart, Charles H. (Law II)	Ohio
Eaves, Robert Wendell (Ed., Ed.D.)	Va.	B.S. 1929, Ohio State University	
A.B. 1928, University of North Carolina		Eisenhart, Earl E., Jr. (Col. 90)	D.C.
A.M. 1934, The George Washington University		†Eisenhauer, May Kent (Ed., A.M.)	D.C.
Ebel, Mary Katherine Killen (Univ.)	D.C.	Ph.B. 1932, University of Chicago	
Eberle, Allan Richard (Jun. 30)	Va.	†Eisinger, Frederick Louis (Univ.)	D.C.
Eberle, Donald Vernon (Jun. 44)	Pa.	†Eisner, Jane Schroeder (Univ.)	D.C.
Eberly, Catharine Howard (Univ.)	D.C.	Elam, James Otis (Jun. 25)	Kans.
A.B. 1925, Vassar College		Elder, Walter E. (Law III)	
Eberman, Blanche Tryon (Jun. 72½)	D.C.	A.B. 1934, University of Kansas	
Ebrite, Scott (Eng. 16)	D.C.	Eldridge, Eugene Russell (Law I)	N.Y.
†Eccleston, Dorothy Jean (Univ.)	Kans.	†Eldridge, Frank Reed, Jr. (Jun. 63)	Md.
Eck, Dorothy E. (Law I)	Pa.	†Elg, Charlotte Marie (Univ.)	Idaho
Ecker, Mary Helen (Jun.)	D.C.	Elggren, C. Allen (Law II)	Utah
Eckert, Thomas Joseph (Jun. 46)	D.C.	Elgin, Albert Jackson (Jun.)	Va.
†Eddy, Donald Blakeman (Govt., A.M.)	Conn.	Elgin, Alice Rebecca (Univ.)	Va.
A.B. 1933, Cornell University		B.S. 1936, Virginia State Teachers College, Fredericksburg	
Eddy, Helen Louise (Univ.)	Pa.	†Elian, Robert Joseph (Univ.)	Md.
A.B. 1933, Lebanon Valley College		Eliason, Howard Russell (Law I)	D.C.
A.M. 1934, The George Washington University		A.B. 1929, The George Washington University	
†Edelen, Harriet Ophelia (Univ.)	D.C.	Eliason, Verne H. (Law I)	Utah
†Edelin, Helen (Univ.)	Va.	B.S. 1934, University of Utah	
Edelson, Gertrude Mary (Jun. 40)	D.C.	†Elinson, Israel J. (Univ.)	N.Y.
†Edelstein, Reva Ethel (Col. 110)	D.C.	B.S. 1937, College of the City of New York	
Ed.B. 1935, Wisconsin State Teachers College, Superior		Elkins, Lillian Moskow (Univ.)	D.C.
Eden, Philip (Univ.)	N.Y.	†Elkins, Zella Rebecca (Univ.)	Tenn.
A.B. 1934, Brooklyn College		Ellerin, Milton (Law I)	Conn.
Eden, Rose (Univ.; Col., A.M.)	D.C.	†Ellingson, Bernice Irene (Jun.)	Minn.
A.B. 1934, Brooklyn College		†Elliott, Charles Francis (Law II)	Ga.
†Edge, Alice Cecilia (Univ.)	D.C.	A.B. 1931, Harvard University	
Edmondson, Oliver Newton (Phar. 87)	Va.	Elliott, Clyde Wilson (Jun. 27)	W.Va.
Edmunds, James R., Jr. (Govt. 52)	D.C.	†Elliott, Herbert Jennings (Eng. 25)	D.C.
†Edmondson, John Franklin (Univ.)	Mo.	Elliott, Mildred English (Jun. 12)	D.C.
Edwards, Benjamin Franklin II (Jun. 18)	D.C.	Ellis, Arthur William (Law III)	Oreg.
Edwards, Carleton Ula II (Law I)	D.C.	B.S. 1924, University of California	
Edwards, Edith Rita (Col. 87)	D.C.	†Ellis, Georgia Menckle (Univ.)	W.Va.
Edwards, Geniana R. (Col., A.M.)	Wash.	Ellis, John Flather (Col. 60)	D.C.
A.B. 1935, The George Washington University		Ellis, Laura Harris (Jun. 55)	Md.
		Ellis, Ruth Joy (Jun. 6)	D.C.
		Ellis, Wade Harvey (Law, Uncl.)	Nebr.
		LL.B. 1935, Creighton University	
		Ellison, Enoch Edward (Law, LL.M.)	W.Va.
		LL.B. 1934, The George Washington University	
		†Ellison, Frances Waters (Univ.)	Md.





Faris, Marvin L. (Law I)	Nebr.	Feen, Robert (Univ.)	N.Y.
Faris, Robert Keith (Ed. 74)	Nebr.	†Ferrill, John Murray (Univ.)	Pa.
Farmer, Arthur Warren (Jun. 42)	Nebr.	†Ferris, Courts F. (Univ.)	Ill.
†Farmer, Madeleine Boyd (Law I)	D.C.	LB. 1926, University of Missouri	
B.S. 1922, Simmons College		†Ferre, Ruth Elizabeth (Univ.)	Ill.
Farr, Daniel D. (Law, Uncl. & Univ.)	D.C.	†Fesszt, Irene M. (Law. 12)	D.C.
A.B. 1923, Ill. B. 1923, Columbia University		Fessenden, George Russell (Col. 100)	D.C.
Farr, John Alden (Law II)	N.Y.	Fetter, Theodore Albert (Law I)	Mo.
Farr, Lionel Miller (Jun.)	Utah	B.S. 1929, M.S. 1931, Washington University	
Farrell, John, Rosa (Jun. 9)	D.C.	Fewerstein, Benjamin (Law I)	N.Y.
†Farrington, Bert W. (Law I)	Mo.	B.S. 1925, Brooklyn College	
B.S. 1925, The George Washington University		†Fewell, Carroll Marvin (Univ.)	D.C.
Fass, Irwin (Law I)	D.C.	Feweller, Thomas Carlyle (Col., A.M.)	N.Y.
Faust, James Edwin (Law I)	Calif.	A.B. 1926, Brooklyn College	
Fears, Mary Rice (Jun. 21)	Ky.	Field, N. Hazel (Jun. 26)	D.C.
Featherston, C. Maxley (Law II)	Tex.	Fielden, Elizabeth (Col., A.M.)	Pa.
A.B. 1925, Hardin-Simmons University		A.B. 1930, The George Washington University	
Feddetsen, Ralph Henry (Univ.)	Colo.	Fielder, Frederick Alan (Law III)	Ariz.
Federman, David (Univ.)	N.Y.	Felt, Edward Allen (Jun. 66, Col.)	N.Y.
B.S. 1914, Brooklyn College		*Fieselman, Ben William (Law III)	Iowa
Feer, Ellis (Univ.)	D.C.	B.S. 1924, University of Dubuque	
Fegan, David Albert (Jun. 18)	D.C.	Felley, Ferris Brint (Eng. 103)	Md.
Fegan, John Bernard (Jun. 20)	D.C.	Felan, Francis Kennedy (Eng. 57)	Md.
Feken, Barbara Jean (Jun. 69; Ed.)	D.C.	†Finkel, Elmer Keller (Ed., A.M.)	D.C.
†Feken, Gretchen (Univ.)	D.C.	A.B. 1921, The George Washington University	
Fendberg, Shirley Matzka (Jun. 42)	Conn.	Findlay, Evelyn Laura (Ed. 96)	D.C.
*Feld, Maria (Col. 112)	Pa.	†Findlay, Joseph Peter (Jun. 53)	Pa.
†Feldman, Edwin Bernard (Jun. 10)	D.C.	Finkelstein, Gertrude (Ed. 92)	Va.
Feldman, Harry Alfred (Med. III)	N.J.	†Finkelstein, Hyman P. (Law I)	N.Y.
A.B. 1925, The George Washington University		B.B.A. 1924, College of the City of New York	
Feldman, Isaac (Jun.)	D.C.	Finley, Charles (Med. III)	N.Y.
Feldman, Melville William (Jun.)	D.C.	A.B. 1926, University of Rochester	
†Feldman, Rosetta A. (Ed., A.M.)	Md.	†Finney, Martin Everett (Law I)	Ill.
B.S. 1915, Johns Hopkins University		B.S. 1923, Northwestern University	
†Feldman, Sadie B. (Ed., A.M.)	Md.	†Floravanti, Angelo Andrew (Univ.)	N.J.
B.S. 1926, Johns Hopkins University		*Firth, Raymond Hildsworth (Col. 105)	Md.
Felsman, Francis William (Univ.)	D.C.	Firth, William Edsworth (Jun. 73)	D.C.
A.B. 1915, University of Kansas		†Fischer, Paul A. (Col., A.M.)	Va.
Felt, Mark (Law I)	Idaho	A.B. 1921, The George Washington University	
A.B. 1915, University of Idaho		Fischer, Richard Henry (Jun. 75)	D.C.
Felter, Edwin Lester (Jun. 24)	N.Mex.	Fischer, Rosa May (Jun.)	D.C.
Felton, George Franklin (Eng. 16)	Va.	Fischer, William Herbert (Jun. 41)	D.C.
Fenby, Mary Louise (Col., A.M.)	D.C.	†Fishburn, George Washington (Univ.)	Calif.
A.B. 1926, The George Washington University		A.B. 1927, University of California, Berkeley	
Fennell, Repinold Edward (Law I)	Md.	Fisher, Bernard Ralph (Jun. 42)	Iowa
Fenster, Sidney I. (Govt. 72)	N.Y.	Fisher, Daniel (Univ.)	W.Va.
Fenstermaker, Verna (Ed., A.M.)	D.C.	†Fisher, Elsie Taylor (Univ.)	D.C.
A.B. 1914, The George Washington University		B.S. 1924, University of Illinois	
Fenton, Richard Lee (Eng.)	D.C.	Fisher, Glen Menard (Ed. 95)	Okla.
Fenwick, Helen Winifred (Jun. 105; Col.)	Ohio	†Fisher, Helen J. (Univ.)	Pa.
Ferguson, Earl Elwyn (Eng. 31)	D.C.	Fisher, Jerome L. (Law. 10)	Iowa
†Ferguson, Frances Christine (Ed. 66)	Va.	†Fisher, Louis M. (Univ.)	N.Y.
Ferguson, Garland S. III (Jun. 78)	D.C.	Fisher, Marion Smith (Univ.)	D.C.
†Ferguson, J. D. (Ed., A.M.)	Md.	Fisher, Martha Rhoads (Ed. 120)	D.C.
A.B. 1915, University of Chicago		†Fisher, Mary Virginia (Univ.)	N.C.
Ferguson, Jack Morton (Jun. 3)	Ala.	B.S. 1925, George Peabody College for Teachers	
Ferguson, Marion (Univ.)	Mo.	†Fisher, Raymond George (Col., A.M.)	Utah
B.S. 1920, George Peabody College for Teachers		B.S. 1924, University of Utah	
Ferguson, Robert E. (Law I)	Kans.	Fisher, Sara (Jun.)	D.C.
Ferguson, Thomas Gooley (Ed., Ed.D.)	Md.	†Fisher, Virginia Grace (Jun. 11)	Mo.
A.B. 1915, University of South Dakota		Fishman, Bernard R. (Jun. 51)	N.Y.
Ed.M. 1920, Harvard University		†Fish, Dorothy Mae (Univ.)	D.C.
Ferguson, William Richard (Col. 72)	Iowa	Fish, Lou Barbara (Jun. 61)	Tex.
†Ferlazzo, Victor Emanuel (Jun.)	D.C.	Fisher, Mary Diane (Govt. 86)	Nev.
		Fisher, Russell G. (Univ.)	Va.



†Fitch, Harry Lionel (Jun. 64)	Mich.	Fotoubi, Abol Fazl (Univ.)	Iran
Fitzgerald, Richard Alfred (Law I)	Mich.	†Fouche, James Edwin (Univ.)	Va.
A.B. 1946, Michigan State Teachers College, Western		Fowler, James Abbott (Jun. 51; Col.)	D.C.
Fitzgerald, Wilnot Herman (Jun. 15)	Pa.	Fowler, Lillian Claire (Jun. 12)	Fla.
Fleeg, Grace Lillian (Col., A.M.)	D.C.	Fowler, Marion Hollingsworth (Govt. 60)	D.C.
A.B. 1929, The George Washington University		Fowler, Rebecca (Univ.)	Ga.
†Flaherty, Naomi Inez (Jun.)	Kans.	B.S. in Ed. 1929, Georgia State College for Women	
Flaherty, Walter Thomas (Med. II)	N.Y.	Fowler, Sherleigh Glad (Col. 63½)	Va.
B.S. 1936, St. Bonaventure College		Fox, Bessie Etkin (Univ.)	Va.
Flanagan, Joseph Francis (Jun. 3)	D.C.	A.B. 1931, Hunter College	
Fleck, Helen Viola (Col. 79)	Iowa	Fox, Caroline Goldie (Jun. 30)	Conn.
Fleut, Jane Barbara (Jun. 43)	Calif.	Fox, Hazel Frances (Col., A.M.)	Md.
Fleischman, Beatrice (Jun. 30)	D.C.	A.B. 1931, Goucher College	
Fleming, Euclid Story (Jun. 81)	D.C.	Fox, Helen (Col., A.M.)	D.C.
Fleming, Robert Wright (Univ.)	D.C.	A.B. 1938, The George Washington University	
Fleming, William Stuart III (Law I)	Tenn.	†Foy, Philip Sheridan (Univ.)	D.C.
A.B. 1917, University of the South		B.S. 1936, Wilson Teachers College	
Fletcher, Howard (Law II)	Va.	A.M. 1938, Columbia University	
B.S. 1912, Virginia Military Institute		Fraker, Grace Ferris (Univ.)	Mich.
Fletcher, Lloyd, Jr. (Law II)	Tex.	Francis, Dale (Eng. 100)	Nebr.
B.B.A. 1946, University of Texas		Francis, Harold Edmund (Univ.)	D.C.
Fletcher, Richard George, Jr. (Law II)	D.C.	†Francis, Helen Gerst (Univ.)	Pa.
A.B. 1915, Harvard University		†Francis, Leslie Anthony (Govt. 84)	N.Y.
Flood, James Francis (Jun.)	Pa.	Francisco, Wellington (Law I)	N.J.
Flood, John Wesley (Jun. 52)	D.C.	Litt.B. 1930, Rutgers University	
Florence, Howard Elmer (Govt. 96)	Va.	†Frank, Karl (Col. 117)	Md.
Florea, Hilda Coffin (Ed., A.M.)	D.C.	Frank, Nathaniel Arthur (Jun. 36)	Pa.
B.S. 1926, Indiana University		Frank, Paul A. (Law I)	D.C.
Floorney, Helen Olivia (Jun.)	D.C.	B.S. in E.E. 1932, University of Louisville	
†Flowers, Edward Swift (Jun.)	Ga.	Frankel, Theodore H. (Col. 94)	N.J.
Floyd, Charles Henry Bourke (Law I)	D.C.	†Franklin, James Arthur (Eng. 43)	D.C.
Floyd, Julian J. (Univ.; Law I)	Ga.	Franklin, John Ransom (Law I)	Tenn.
†Floyd, Robert Peyton (Jun.)	D.C.	A.B. 1936, University of the South	
Foer, Melvin Bernard (Jun. 30)	D.C.	Fraser, Ella Selina (Med. III)	D.C.
Fogelson, Florence Caroline (Col., A.M.)	N.Y.	A.B. 1934, A.M. 1935, The George Washington University	
A.B. 1934, Brooklyn College		†Fraser, Ellen Donohue (Univ.)	N.Y.
Foote, Rita Estelle (Govt. 75)	D.C.	A.B. 1920, A.M. 1930, Columbia University	
Foley, James Herbert (Law II)	Tex.	Fraser, James Malcolm (Med. III)	Md.
A.B. 1935, College of Wooster		Fraser, Katharine Ann (Jun. 30)	Md.
†Foley, Justin John (Jun.)	N.Y.	Frazier, Benjamin William (Ed., Ed.D.)	Ala.
Folland, Willard Ernest (Jun. 34)	Maine	A.B. 1917, University of Tennessee	
Folston, Mortimer James (Col., A.M.)	D.C.	A.M. 1923, Columbia University	
A.B. 1938, The George Washington University		Frazier, Herman Mynter (Univ.)	D.C.
Fondiller, Abraham (Univ.)	N.Y.	B.S. in E.E., 1932, Union College, New York	
Fonoroff, Bernard (Jun. 67)	D.C.	†Frederick, Martin Theodore (Univ.)	D.C.
Foot, Charles Wilson (Govt. 107)	Kans.	†Frederick, Pauline (Univ.)	W.Va.
Foot, Margaret Bennett (Jun. 72)	D.C.	A.B. 1931, Marietta College	
Foot, Marvin Peace (Col. 90)	S.C.	A.M. 1918, University of Nebraska	Va.
Forbes, Harlan Baker (Jun. 3)	D.C.	Frederick, Vivian Dee (Jun. 12)	D.C.
Forbes, Ina (Ed., A.M.)	D.C.	†Fredericks, Margaret Mary (Univ.)	Idaho
A.B. 1911, The George Washington University		Fredericks, Anthony Theo (Law III)	D.C.
Ford, Ella Mabel (Ed., A.M.)	D.C.	Free, Elise Marie (Jun. 24)	Tenn.
A.B. 1911, The George Washington University		†Free, Grace Gorman (Univ.)	Iowa
†Ford, Gertrude Elizabeth (Univ.)	Ind.	†Free, Harold G. (Law III)	
B.S. 1934, University of Illinois		B.S. in M.E. 1932, The George Washington University	D.C.
†Ford, Margaret Elnora (Jun.)	Del.	†Freebairn, Melvin (Ed., A.M.)	
†Forrest, V. Marie (Ed. 60)	D.C.	B.S. 1925, University of Utah	
Forst, Arthur (Med. IV)	N.Y.	L.L.B. 1920, The George Washington University	N.Y.
A.B. 1934, The George Washington University		Freedman, Milton (Law II)	
Forster, Margaret Anne (Univ.)	Ohio	A.B. 1914, Brooklyn College	N.Y.
Fort, Marie M. (Univ.)	Calif.	Freedman, Moses (Eng. 94)	D.C.
Fosse, Mary Cruse (Jun. 21)	Ala.	Freedman, Selma Golda (Jun. 30)	D.C.
Foster, Allen Russell (Jun. 65)	D.C.	Freehafer, Marian Elizabeth (Jun. 32)	D.C.
Foster, Elana Jeanette (Jun.)	Va.	Freeman, Mary Eleanor (Eng. 35)	D.C.
Foster, Sammy Ruth (Col., A.M.)	Okla.		
A.B. 1934, University of Oklahoma			



Freeman, Walter Monte (Jun. 9)	Ind.	†Fulton, Carrie Roper (Univ.)	D.C.
†Freer, Arden Sheetz (Jun.)	D.C.	A.B. 1936, The George Washington University	
Freer, Everett Charles (Med. IV)	Pa.	†Fulton, Clara G. (Ed., A.M.)	Ind.
Freese, C. Norman (Law I)	III.	A.B. 1931, The George Washington University	
A.B. 1936, DePauw University		Fulton, James Lesley, Jr. (Jun. 42)	Ind.
Freilicher, George (Ed., A.M.)	N.Y.	Funkhouser, Albert Winston (Jun.)	D.C.
B.S. 1937, The George Washington University		†Furey, Betty Cramer (Univ.)	D.C.
French, Sanford Williams, Jr. (Med III)	Ind.	†Furlow, Margaret (Jun.)	D.C.
A.B. 1936, St. Mary's University of San Antonio	Pa.	Furman, William Amies, Jr. (Law II)	N.J.
Frenks, Bertha (Col. 112)	Wis.	B.S. 1931, Lehigh University	
Fretz, Edward Lawrence (Jun.)	N.J.	†Fusfeld, Robert David (Eng.)	D.C.
Freudiger, Maurice (Jun. 96; Col.)	Tex.	Futrovsky, Sam (Med. II)	D.C.
Fridinger, Arthur Boteler (Jun. 51)	Va.	B.S. 1935, A.M. 1936, The George Washington University	
Friede, Charles Roberson (Eng. 29)	D.C.		
Friedemann, William G. (Law II)	Okla.		
B.S. 1931, M.S. 1932, Oklahoma Agricultural and Mechanical College			
†Friedlander, Flora K. (Univ.)	D.C.		
†Friedlander, Harold (Col. A.M.)	N.Y.	†Gaber, Helen Bagby (Univ.)	D.C.
B.S. 1934, College of the City of New York		Gabower, Genevieve (Law I)	Wis.
Friedman, Ely Nathan (Jun.)	N.Y.	A.B. 1928, College of St. Teresa	
Friedman, Gertrude S. (Jun.)	D.C.	A.M. 1936, University of Chicago	
Friedman, Joseph Marshall (Med. III)	D.C.	†Gaffney, Virginia Reese (Ed., A.M.)	D.C.
A.B. 1936, The George Washington University		B.S. 1936, Columbia University	
Friedman, Lillian (Jun. 48)	D.C.	Gahen, Grace D. (Jun. 52)	Pa.
Friedman, Muriel A. (Jun. 30)	D.C.	Gagon, Daniel Harvey (Eng. 29)	Utah
†Friedman, Ruth Victoria (Univ.)	Mass.	Gaguine, Benito (Law, Und.)	N.Y.
A.B. 1936, Boston University		A.B. 1932, LL.B. 1934, Columbia University	
Friedman, Sadie Belle (Col. A.M.)	D.C.	Gaillard, Green Rayner (Law II)	Miss.
A.B. 1937, The George Washington University		B.S. 1934, Mississippi State College	
Friedman, Sidney (Law I)	Pa.	Gaines, Frank Wharton, Jr. (Law II)	Ala.
A.B. 1936, University of Pittsburgh		A.B. 1935, University of the South	
†Friel, Anna Mary (Univ.)	D.C.	†Gaines, Ruth Ogden (Univ.)	D.C.
Friend, Carl Patrick (Jun. 12)	W.Va.	Gaither, Ann Elizabeth (Jun. 34)	Md.
Friend, Irwin (Col., A.M.)	N.Y.	Galbraith, Ted W. (Med. II)	Utah
B.S. 1935, College of the City of New York		B.S. 1931, M.S. 1936, Utah State Agricultural College	
Frigo, Helen J. (Univ.)	Wis.	Gale, Joe Bob (Jun. 52)	Okla.
†Fritz, Florence Ruth (Col., A.M.)	D.C.	†Gallagher, Andrew J. (Univ.)	D.C.
A.B. 1930, The George Washington University		Gallagher, Jane Frances (Univ.)	D.C.
Frost, Alice Owen (Univ.)	D.C.	†Gallagher, Mary Urezie (Univ.)	N.Y.
Frost, Louisa Carter (Univ.)	Mo.	Galler, William (Univ.)	Ill.
†Frost, Stanley Robert (Jun.)	D.C.	†Gallin, Ida Lillian (Univ.)	D.C.
Froyd, Lawrence Wilbur (Eng. 71)	Va.	Gallo, Albert Andrew (Col., A.M.)	Pa.
Fry, David H. (Govt. 85)	D.C.	A.B. 1934, Duke University	
Frye, Roy Thomas (Jun. 9)	Va.	Galloway, James Henry (Law III)	S.C.
Frye, William Neff (Eng. 89)	Va.	B.S. 1935, University of South Carolina	
Fukui, Eiko (Univ.)	Japan	Galloway, William Francis (Law III)	Idaho
A.B. 1934, Vassar College		Gallup, Gladys G. (Ed., Ed.D.)	Wash.
†Fulboom, Elsie Gertrude (Univ.)	N.J.	B.S. 1918, Iowa State College of Agriculture and Mechanic Arts	
Litt.B. 1927, New Jersey College for Women		A.M. 1937, The George Washington University	
Fulham, Mary Herbert (Univ.)	D.C.	Gamble, Frederick Arvon (Jun. 45)	Tenn.
A.B. 1937, The George Washington University		Gammon, James Eugene Fair (Law III)	Mont.
Fuller, Arthur Stanley (Eng. 76)	Md.	A.B. 1917, The George Washington University	
Fuller, Audrey Estella (Jun. 21)	Va.	Gammon, Martha Winters (Jun. 69)	D.C.
Fuller, Helen Marjorie (Law I)	Ala.	Gammon, William Howard (Jun. 80)	Va.
A.B. 1933, A.M. 1934, University of Alabama		†Gann, Mahlon James (Law III)	S.Dak.
Fuller, Katherine Louise (Ed. 91)	Md.	B.S. 1933, St. John's University, Minnesota	
Fuller, Margaret Mann (Col., A.M.)	D.C.	†Gannon, Marie Louise (Univ.)	D.C.
A.B. 1928, The George Washington University		†Garber, Charles Daniel (Eng. 17)	Md.
Fulcher, Vivienne (Univ.)	Colo.	Garber, Elizabeth Mamma (Col., A.M.)	Pa.
A.B. 1934, University of Colorado		A.B. 1929, Hood College	
		Garber, George (Jun. 28)	N.Y.

Gardner, Arthur Woodworth (Jun. 30)	Mass.	Gee, Merrill Kerr (Law I)	Idaho
Gardner, Casper Steinmetz (Jun. 64)	Ky.	†Geegh, Raymond Edward (Jun.)	D.C.
Gardner, James Rae (Jun. 57; Col.)	Ala.	Gehan, Kathryn Yvonne (Col. 90)	Iowa
Gardner, Jessie Rose (Jun. 31½)	Okla.	Gelcke, Ruth E. (Univ.)	Wis.
Gardner, Maxine (Jun. 42½)	Ind.	†Geilich, Walter Ernest (Jun. 3)	D.C.
Gardner, Randall Mercier (Jun. 48)	D.C.	Gelbach, John A. (Jun. 90; Govt.)	Ohio
Gardner, Victor Alfred (Jun.)	D.C.	Gelman, Melvin (Jun. 30)	D.C.
Gareau, Charles Frederick (Law I)	Mass.	†Gelwick, Corinne Adele (Govt., A.M.)	Mich.
Garechick, Philip (Col., A.M.)	N.Y.	A.B. 1937, The George Washington University	
B.S. 1929, College of the City of New York		†Gentry, George William (Univ.)	D.C.
Garfield, Harry Bracket (Univ.)	Calif.	Gemma, Benedict Joseph (F.A. 84)	D.C.
Garland, Jerome McDuffee (Law II)	Md.	Genchecan, Francis Patrick (Jun. 19)	D.C.
Garlick, Robert Gordon (Jun. 46)	Colo.	George, Paul Eugene (Col. 70)	Ind.
Garlick, Edward Allen (Jun. 28)	Md.	LL.B. 1917, The George Washington University	
Garman, David Theonus (Govt., A.M.)	Oreg.	Geran, Robert Kinney (Jun.)	D.C.
B.S. 1914, University of Oregon		Gerber, Sylvia Widor (Univ.)	Pa.
Garner, Eleanor Radcliffe (Ed. 60)	D.C.	A.B. 1911, Temple University	
Garner, Robert Williamson (Univ.)	Va.	A.M. 1933, University of Pennsylvania	
A.B. 1922, Randolph-Macon College	Ga.	Gerber, Toby (Col., A.M.)	D.C.
Garretson, Irene Grace (Law II)		A.B. 1937, The George Washington University	
A.B. 1928, Agnes Scott College	Tex.	Gerhardt, Paul Emil (Med. III)	N.J.
†Garrett, Clyde Winston, Jr. (Jun. 9)	Tex.	German, Chadwick Ambrose (Jun. 27)	D.C.
†Garrett, Horace James (Univ.)	Tex.	Gerson, Nathaniel Charles (Eng.)	Mass.
†Garrett, Katherine Mary (Jun.)	D.C.	Gerstein, Lillian (Jun. 38)	D.C.
†Garrison, Robert Holt, Jr. (Jun. 18)	D.C.	†Gerstein, Nettie (Jun.)	Conn.
†Garrity, Francis Edward (Univ.)	Minn.	Gersten, Joseph J. (Jun. 18)	Conn.
†Garrity, Elsie May (Jun.)	Mass.	Gersten, Maurice R. (Law I)	D.C.
†Garrity, Evelyn Bernice (Univ.)	D.C.	Gertler, Morton (Eng. 70)	D.C.
A.B. 1932, University of Wisconsin		Gest, Isabel E. (Univ.)	D.C.
Gartrell, Everett Albert (Law I)	D.C.	Getz, Francis Ivan (Jun.)	Pa.
B.S. in E.E. 1931, Worcester Polytechnic Institute		Getz, Howard (Law III)	
†Gartrell, Winnie Gray (Jun.)	Va.	B.S. 1930, Syracuse University	
†Garvey, Frances Bernadette (Univ.)	D.C.	†Gevinson, Daniel (Jun. 33)	D.C.
Gaspers, Elizabeth Delphine (Univ.)	Ill.	Gewirtz, Paul (Col., A.M.)	N.Y.
†Gass, Betty Burnett (Jun. 15)	Fla.	B.S. in Eng. 1933, Ch.Eng. 1934, College of the City of New York	
Gast, Florence Maitland (Jun. 47)	Mich.	Gibbons, Robert DeForest (Jun. 54; Law I)	Mich.
†Gasteiger, Lawrence Dale (Col. A.M.)	Pa.	Gibbs, Andrew Harris (Jun. 97)	D.C.
B.S. 1918, Dickinson College		†Gibbs, Henry Foote (Law I)	Md.
Gaston, Leslie Homer (Law I)	Ind.	B.S. 1920, Johns Hopkins University	
B.S. in Ch.Eng. 1929, Purdue University		Gibeau, Charles John (Law I)	Calif.
M.S. in Ch.Eng. 1932, University of Michigan		B.S. 1942, University of California, Berkeley	
Gaston, Samuel Perry (Govt., A.M.)	Pa.	Gibson, Frank Eugene (Med. III)	D.C.
A.B. 1936, Westminster College, Pennsylvania		Gibson, George Carlie (Univ.)	Mass.
Gastrock, Charles Clarence (Jun. 30)	Pa.	A.B. 1934, Boston University	
Gatch, Nancy Weems (Univ.; Col. 72)	D.C.	Gibson, Hal Templeton (Govt., A.M.)	Tenn.
†Gatch, Philip Wilde (Univ.)	Md.	A.B. 1935, Vanderbilt University	
B.S. 1921, University of Wisconsin		LL.B. 1937, The George Washington University	
A.M. 1926, University of Maryland		Gibson, James E. (Univ.)	S.C.
†Gatewood, Ernest Howard, Jr. (Univ.)	D.C.	A.B. 1934, Duke University	
†Gatewood, Lewis Carter (Jun.)	D.C.	Gibson, Warren Delmar, Jr. (Jun. 36)	Okla.
Gathum, John (Jun. 6)	Ark.	†Giddings, Gretchen Anne (Univ.)	Wash.
†Gaugenmaier, Clyde (Eng.)	S. Dak.	Gilbert, Mildred Marie (Jun. 38½)	Md.
Gault, Jayne Best (Jun.)	Ky.	Gilbert, Ralph Ury (Jun. 24)	N.C.
Gausmann, William Criswell (Jun. 72)	D.C.	Gildenhorn, Myer (Jun. 36)	N.Y.
Gauss, Arthur (Law I)	D.C.	Giles, Edward Gold (Jun. 8)	D.C.
B.S. in E.E. 1933, Drexel Institute of Technology		Gilliland, Norman Albert (Jun. 69)	Va.
A.M. 1941, Georgetown University		Gilkie, Earle W. (Col. 108, A.M.)	Wash.
†Gauss, Harry (Law I)	D.C.	A.B. 1938, The George Washington University	
B.S. in E.E. 1933, Drexel Institute of Technology		Gill, Flora Bernice (Jun. 15)	D.C.
Gauss, Henry Colford (Univ.)	D.C.	†Gill, Frank J., Jr. (Univ.)	Wyo.
Gayeski, Nick Joseph (Jun. 39)	Mont.	Gill, Robert Gordon (Jun. 62)	Ark.
Gebhard, Lloyd Wayne (Eng. 107)	D.C.		
†Gee, Earl Franklin (Jun. 12)	N.Y.		

‡ Deceased.



Gillen, Edward Frederic (Univ.) B.S. 1934, University of Virginia	D.C.	Golway, Everett Arthur (Law I) B.S. 1931, Boston University	Mass.
Gillette, Douglas Wiley (Univ.)	D.C.	†Gonzalez, Angel Richard (Jun. 6)	W Va.
†Gillis, Georgina Gweneth (Ed. 58½)	Md.	†Gonzalez, Jose Maxim (Col. 70)	P.R.
Gilmer, John Bentley (Jun. 30)	Va.	†Goodfellow, Frances Kase (Ed., A.M.)	D.C.
Gilmore, Marjorie Elizabeth (Jun. 27)	Wash.	A.B. 1920, St. Joseph's College, Maryland	
Giltner, Harriet Christine (Jun. 21; Ed.)	D.C.	†Goodhand, Elizabeth A. (Univ.)	Md.
†Ginden, Pearl (Univ.)	D.C.	Goodin, Paul A. (Law II)	Okla.
Gingras, Angele Marie (Univ.; Jun. 63)	D.C.	†Goodman, Henry Joseph (Jun.)	D.C.
Ginsburg, Theodore Herzl (Jun. 52)	D.C.	Goodman, Jennie Etta (Univ.)	Wis.
Phar G. 1934, The George Wash- ington University		†Goodman, M. Harold (Jun. 33)	Ill.
Gitomer, Norman Moses (Phar. 61)	D.C.	†Goodman, Melba (Jun. 9)	Ill.
Gittings, Elizabeth Ann (Jun.)	Md.	Goodman, Rose Spam (Ed., A.M.)	Miss.
Glade, Leonard (Jun.)	N.Y.	A.B. 1914, Mississippi State College for Women	
Gladstein, Irving (Col. 85)	N.Y.	Goodrich, Howard Kerwood (Univ.)	D.C.
Glasgow, Charles William (Univ.)	Md.	Goodson, Carl Kelly (Law II)	Ga.
Glasser, Abraham (Law I)	N.J.	A.B. 1935, University of Alabama	
A.B. 1933, Rutgers University		Goodwin, Helen Barton (Jun. 47)	D.C.
A.M. 1935, Princeton University		Goodwin, Jack (Univ.)	D.C.
†Glatisny, Elise E. (Jun. 57)	Ga.	†Goodwin, M. Kathryn (Univ.)	Ill.
Gleason, Mary Louise (Ed. 78)	D.C.	Goodykoontz, William Francis (Law II & Univ.)	W.Va.
Gleason, Stephen Bernard (Jun. 60)	D.C.	A.B. 1916, The George Washington University	
Glenn, James (Law II)	Ark.	Goolsby, Betty Darden (Jun. 12)	D.C.
A.B. 1935, Hendrix College		Goolsby, Madge Carter (Jun. 48)	D.C.
Glenn, John Ralston (Jun.)	Pa.	*Goozh, Arthur Selig (Govt., A.M.)	D.C.
Glenn, Mary Frances (Univ.)	Tenn.	A.B. 1935, The George Washington University	
Glockler, Ralph Otto (Jun. 45)	D.C.	†Gorden, Anne (Univ.)	Okla.
†Glover, Marion Everett (Univ.)	D.C.	Gordin, Shepherd (Jun. 36)	D.C.
Gnam, James Henry (Eng. 68)	Iowa	Gordon, Armand Byron (Med. IV)	D.C.
†Godey, Thomas Rasen (Univ.)	D.C.	A.B. 1915, The George Washington University	
Goff, John Clifford (Eng. 32)	N.J.	Gordon, Charles Lewis (Col. 99)	Mass.
Goff, Mary Louisa (Jun. 21)	N.J.	†Gordon, David (Univ.)	N.Y.
†Goff, Nancy A. (Jun. 56)	Kans.	†Gordon, David Stuart (Jun.)	D.C.
Goedreli, Louis Joseph (Med. IV)	N.Y.	†Gordon, Francis Guthrie (Univ.)	Va.
B.S. 1934, Catholic University of America		Gordon, Herman Lewis (Law I)	N.Y.
Goldberg, Clara (Col., A.M.)	Mass.	B.S.E. 1933, College of the City of New York	
A.B. 1932, Radcliffe College		Gordon, Hyman Herbert (Jun. 84)	Conn.
Goldberg, Stanley (Jun.)	D.C.	Gordon, Lea (Jun. 12)	D.C.
†Golden, Anne (Univ.)	D.C.	Gordon, Mary Groves (Jun. 24)	Ohio
Golden, Jack Taliaferro (Jun.)	Va.	†Gordon, Myrtle (Jun. 52¼)	D.C.
†Golden, Robert Fred (Col., Uncl.)	D.C.	Gordon, Nancy (Jun. 81; Col.)	D.C.
M.D. 1937, The George Washington University		Gordon, Robert Eugene (Law III)	Tex.
Goldenberg, Pearl (Jun. 3)	D.C.	A.B. 1930, Trinity University	
Goldensolun, Eli Samuel (Med. II)	N.J.	Gorin, Louis (Jun. 9)	D.C.
A.B. 1937, The George Washington University		†Gorman, Mary Barbara (Univ.)	Md.
Goldfaden, Benjamin Paul (Ed., A.M.)	D.C.	†Gorman, Thomas James, Jr. (Univ.)	D.C.
B.S. 1937, The George Washington University		†Gorosh, Ethel Estelle (Univ.)	Md.
Goldfaden, Elizabeth Brandes (Jun. 84; Col.)	D.C.	Gordan, Finley Harrison (Law I)	Okla.
Goldman, Julius Louis (Eng. 100)	D.C.	A.B. 1936, Phillips University	
B.S. 1935, University of Maryland		Gotthardt, William Henry Schmidt (Univ.)	D.C.
Goldman, Milton L. (Med. IV)	D.C.	Gottlieb, Jerome Joseph (Law I)	D.C.
Goldmann, Philipp (Eng.)	D.C.	A.B. 1936, The George Washington University	
Goldsmith, Louis (Jun. 34)	Pa.	Gould, Bernard Albert (Law I)	N.J.
Goldsmith, Nancy (Jun. 57)	D.C.	B.C.S. 1936, New York University	
Goldstein, Harold T. (Univ.)	N.Y.	Gould, Ernest Alva (Med. III)	Wyo.
B.S. 1932, M.S. 1933, College of the City of New York		B.S. 1936, University of Wyoming	
Goldstein, Jeanette Gertrude (Law I)	Va.	†Gould, Helen (Jun.)	D.C.
B.S. 1935, Roanoke College		†Gould, Vincent (Col., Uncl.)	D.C.
Goldstein, Joseph A. (Law II)	D.C.	M.D. 1929, The George Washington University	
Gollon, Frank Roseben (Law I)	N.Y.	Goumas, Marcus Peter (Med. I)	Pa.
B.S. in Eng. 1933, C.E. 1934, College of the City of New York		†Gozzi, Ariosto (Univ.)	D.C.
†Goldstein, Samuel (Jun., Uncl.)	N.Y.	†Grabowski, Edwin M. (Eng.)	Ill.



- Gracely, Frederick Reichman (Univ.) Iowa  
A.B. 1933, Drake University  
B.S. 1934, Iowa State College of  
Agriculture and Mechanic Arts  
Graddis, Albert Harold (Law I) N.Y.  
B.S. in Ch. Eng. 1934, New York  
University  
M.Ch. Eng. 1936, Polytechnic In-  
stitute of Brooklyn  
Grady, Florence Elizabeth (Med. III) D.C.  
A.B. 1936, The George Washington  
University  
Grady, James Theron (Jun.) Miss.  
Grady, Lera (Ed., A.M.) Ala.  
A.B. 1923, Judson College  
Grady, Norman Hendry (Univ.) D.C.  
Grady, Thomas Treutlen (Jun.) Ga.  
Grady, Thomas R. (Jun.) D.C.  
†Grat, Theodore R. (Ed., A.M.) N.Y.  
†Gratt, Margaret E. (Ed., A.M.)  
A.B. 1931, Columbia University  
Graham, Elmer F. (Jun. 54) Ind.  
Graham, James Glenn (Univ.) D.C.  
B.S. 1935, University of Maryland  
Graham, Richard David (Jun.) Pa.  
Graham, Fred R. (Med. III) Utah  
A.B. 1931, University of Utah  
†Grand, Nicholas G. (Univ.) D.C.  
Grane, Adele Ruth (Jun.) D.C.  
Granier, James Albert (Col. 100'4) Mont.  
†Grant, Charles Leon (Jun. 12) S.C.  
†Grant, Grayson A. (Eng. 21) Va.  
†Grant, James Augustus (Eng.) Ala.  
Grant, James Hazel (Univ.) D.C.  
Grant, Mona Dorothy (Jun.) Mo.  
†Gravette, Florence R. (Ed., Ed.D.) D.C.  
A.B. 1932, A.M. 1935, The George  
Washington University  
†Graves, Thomas S. (Jun. 40) D.C.  
Gray, George Alphonso, Jr. (Med. I) Md.  
Gray, George O. (Law II & Col. 120) Tex.  
Gray, John Gordon (Jun. 32) D.C.  
†Gray, Wilma Jean (Jun.) Ind.  
†Graybill, Anna Marjorie (Ed., A.M.) Va.  
A.B. 1928, Bridgewater College  
Grayson, Leon Harman (Univ.) Ga.  
LL.B. 1929, University of Florida  
†Grayson, Vera (Univ.) Miss.  
†Grebowaz, Stanley Joseph (Jun. 50) Calif.  
†Greer, Harry Woodrow (Univ.) D.C.  
Greaves, Rex Elmo (Univ.) Utah  
Greco, Philip T. (Jun. 42) N.Y.  
Greear, Mary Schaaff (Univ.) D.C.  
A.B. 1923, The George Washington  
University  
†Green, Bob (Univ.) Ind.  
Green, Elizabeth Ann (Jun. 21) N.Y.  
Green, Harold Ellis (Univ.) D.C.  
Green, Ivy Flame (Univ.) D.C.  
Green, Martha Orr (Jun. 27) Va.  
Green, Naomi (Jun. 51) Ohio  
Green, Nathan (Jun. 28) Ohio  
Green, Wallace Wilson (Govt., A.M.) N. Dak.  
B.S. 1926, University of Kansas  
Green, William Stevenson (Law I) Pa.  
A.B. 1931, A.M. 1932, Pennsylvania  
State College  
Greenberg, Arnold Sidney (Jun. 38) D.C.  
†Greenberg, Bernard (Univ.) N.Y.  
Greenberg, Marvin (Jun. 26) Wis.  
Greenberg, Robert Milton (Med. I) D.C.  
A.B. 1937, The George Washington  
University  
Greenberg, Samuel Nathan (Jun. 10) N.Y.  
Greene, Nita Eugenia (Univ.) S.C.  
Greene, Paul Avery (Jun. 36) Okla.  
Greene, Richard Malcolm (Eng.) N.H.  
†Greene, Virginia Elizabeth (Jun.) D.C.  
Greene, William Joseph (Univ.) Pa.  
†Greenwald, Alfred Emanuel (Jun.) N.I.  
Greenwood, Arthur Ward (Univ.) D.C.  
B.S. in C.E. 1928, University of  
Maryland  
Greenwood, Walter Bart (Jun. 12) N.Y.  
Greer, Alice (Jun.) Colo.  
†Greer, Alvera Helen (Jun.) Okla.  
Greer, Dan Blake (Jun.) Md.  
Greer, Ruby Esther (Univ.) Miss.  
Gregory, David Edward (Jun. 27) Va.  
Gregory, Jesse Manning (Col. 77'4) Va.  
†Grenlie, Edna J. (Univ.) Wis.  
†Grevich, Nick Micheal (Jun. 48) Minn.  
Gries, Robert Goff (Col., A.M.) Ohio  
A.B. 1935, Miami University  
Griesbauer, Jane Ann (Jun. 24) Md.  
†Griffin, John Joseph (Jun. 6) La.  
†Griffith, George O., Jr. (Jun., Uncl.) Okla.  
†Griffith, Grace Catherine (Univ.) Mich.  
A.B. 1936, The George Washington  
University  
Griffith, Kelley E. (Law I & Eng. 93) Va.  
†Griffith, Violet (Univ.) N.Y.  
Griffiths, George, Jr. (Jun. 21) Iowa  
Griggs, Julian Gladden (Col. 62) Md.  
†Grissby, James R. (Eng., Uncl.) Ky.  
Grillo, Maurice William (Jun. 15) D.C.  
Grimes, Elbe Ann (Jun. 12) D.C.  
Grissold, Elizabeth (Col. 90) Okla.  
†Grissold, Marjorie Mae (Jun. 24) D.C.  
†Grissold, Maude (Univ.) D.C.  
Grizzard, Richard Stuart (Jun. 18) Ill.  
Grotsky, Joseph (Col. 94) Ill.  
Grotsky, Peter (Jun.) Va.  
Grogan, Charles Henry (Jun. 36) D.C.  
Grooms, Allan Roxburgh (Eng. 6) N.Y.  
†Gross, Charles Fredoline (Jun. 12) D.C.  
Grossman, Bernice Ruth (Col. 90) Md.  
†Grosvenor, Gloria (Jun. 53) Va.  
Grove, Harold Edward (Jun. 6) D.C.  
Grove, Shirley B. (Jun.) D.C.  
Groves, Horace Alvie (Jun. 24) Utah  
Grow, Stewart Lofgren (Govt., A.M.)  
B.S. 1935, Brigham Young  
University  
Gruber, Barbara Elizabeth (Jun.) D.C.  
Grubic, Eli (Law II) Nev.  
Grunwell, Charles Van Derwerken  
(Jun. 30) D.C.  
Grunwell, John Roscoe, Jr. (Med. III) Va.  
†Guerry, Cecil B. (Jun.) D.C.  
Guest, Alfred Robert (Law I) N.Y.  
M.E. 1931, Stevens Institute of  
Technology  
†Guizado, Gabriel (Univ.) Panama  
Gulbrandson, Don Ivor (Eng. 52) D.C.  
Guthrie, Gordon (Col. 93) Iowa  
Gunderson, Hilda Leoplane (Jun. 24) D.C.  
†Gundy, Lyle Wilfred (Jun. 20) Ind.  
†Gurevich, Sophie (Univ.) Md.  
Gurewitz, Rena (Jun. 80; Col.) N.Mex.  
Gurley, Leda V. (Col. 110) D.C.  
†Gurule, Fufemia (Jun.) N.Mex.  
Gussman, George (Univ.) N.Y.  
B.S. 1932, College of the City of  
New York  
A.M. 1933, Columbia University  
Gustafson, Esther Cyrella (Jun. 33) Wis.

Gustavson, Z. Selma Maria (Col. 96) N.Y.  
 ‡Gustin, Don A. (Law I) D.C.  
 A.B. 1937, University of Arizona  
 Guthman, Bernice (Law, Ed. 71) D.C.  
 Guthman, Joseph Thomas (Med. IV) Pa.  
 B.S. 1934, Pennsylvania State  
 College

## H

Hagy, Hatty Kershner (Govt. 91) Pa.  
 Hapala, Tom Selma (Univ.) Mich.  
 Haber, William Frederick (Univ.; Eng. 1) D.C.  
 Habulin, Catherine Elizabeth (Jun. 12) D.C.  
 Habulin, Mary C. (Jun.) D.C.  
 Hack, William (Jun. 24) Pa.  
 Hackley, Howard Hayward (Law, Und.) Va.  
 A.B. 1929, I.L.B. 1932, University  
 of Virginia  
 H.M. 1932, Columbia University  
 †Hackney, Glennie Tappan (Univ.) Va.  
 †Hackstaff, Mary Ann (Jun. 32) Md.  
 Haddox, Earl Moray (Law I) W.Va.  
 Haden, James Thomas (Jun. 30) D.C.  
 †Haddley, Harold D. (Univ.) Iowa  
 Haddott, Jela R. (Jun. 50) D.C.  
 †Haelele, Donald James (Law I) Ohio  
 B.S.E. 1934, University of  
 Michigan  
 M.S. 1934, Case School of Applied  
 Science  
 Haft, Herbert Herman (Jun.) D.C.  
 †Haft, Sylvia Manon (Univ.) D.C.  
 †Hagen, Arthur Chris (Law II) Idaho  
 B.S. in E.E. 1935, University of  
 Idaho  
 Hagenbuch, John Robert (Govt., A.M.) Pa.  
 A.B. 1935, The George Washington  
 University  
 †Haggerty, Frederick (Jun. 5) D.C.  
 Haggerty, Joseph Aloysius (Jun. 24) D.C.  
 Haggitt, Edwin Grant, Jr. (Law I) Maine  
 B.S. 1933, University of Maine  
 Haggitt, Isabelle Barnes (Univ.) Mont.  
 Hagne, John Louis (Col. 87) Ark.  
 †Haght, Matronie (Univ.) N.Y.  
 Ham, John Adams (Law II) D.C.  
 B.S. in C.E. 1936, The George  
 Washington University  
 †Hagg, Dorothy E. (Univ.) D.C.  
 †Hagsheld, Bess (Univ.) Ga.  
 †Hagst, Frances E. (Jun. 18) Ill.  
 †Haglin, Fred Stephen (Univ.) Mo.  
 Hake, David Lawrence (Law II) Colo.  
 B.S. in E.E. 1935, University of  
 Colorado  
 Hale E. William, Jr. (Law III) Tenn.  
 A.B. 1931, Washington and Lee  
 University  
 Hale, Teresa Vaughan (Jun. 60; Col.) D.C.  
 †Hales, Alfred Ross (Jun.) D.C.  
 Haley, Andrew Gallagher (Col. 115) Wash.  
 I.L.B. 1938, Georgetown University  
 †Haley, Mary Brooks (Ed., A.M.) D.C.  
 B.S. 1935, The George Washington  
 University  
 †Halkman, Courtley Harold (Jun.) N.J.  
 Hall, Betty Anne (Jun. 3) W.Va.  
 Hall, Carolyn Sara (Jun.) Ill.  
 Hall, Clare Wilson (Jun. 18) Ill.  
 †Hall, Dwight Francis (Jun.) D.C.

†Hall, Frances Whitlock (Univ.) D.C.  
 Hall, Fred Hubert (Law I) Ga.  
 Hall, Gordon Corry (Med. II) Calif.  
 Philo G. 1926, University of  
 California  
 †Hall, Hamet Lee (Jun.) Okla.  
 Hall, James Merrick (Col. 95) D.C.  
 Hall, Ross Campbell (Jun. 34) Ga.  
 Hall, Theodore Lustig (Eng. 46) Ga.  
 Hallam, Henry Charles, Jr. (Col. 80) D.C.  
 †Hallam, Teresa Lynn (Jun. 49) D.C.  
 Hallberg, Allan Nelson (Eng. 78) Ill.  
 Halley, Bonnie Clyde, Jr. (Jun. 5) Tex.  
 Hamblin, Jack Arthur (Jun. 39) Wis.  
 Hamberger, Margaret Stewart (Jun. 6) D.C.  
 Hamall, John Stafford (Eng. 110) D.C.  
 Hamilton, Lowell Clark (Govt. 61) Kans.  
 Hamilton, Martha Louise (Jun. 16) Va.  
 †Hamilton, William Augustus, Jr. (Govt., A.M.) Va.  
 B.S. 1933, University of Virginia  
 †Hamm, Anne Vroman (Jun. 87) N.Y.  
 †Hamm, Charles Sherman (Jun. 40) Mo.  
 Hanna, Barbara Alysne (Univ.) D.C.  
 †Hanner, Iris Clinton (Jun.) N.C.  
 †Hammer, Jane Ross (Univ.) D.C.  
 A.B. 1936, A.M. 1937, University  
 of North Carolina  
 †Hammerlund, Jean Marion (Jun.) D.C.  
 Hammettsley, Glad Mamm (Univ.) Ohio  
 †Hammond, Caroline Ashby (Jun. 28) D.C.  
 Hammond, Charles Edward (Univ.) N.Y.  
 †Hammond, Fleamora Marie (Jun.) W.Va.  
 Hammond, Florence Marion (Univ.) D.C.  
 †Hammond, Julian Bryan (Univ.) S.C.  
 Hammond, Roy Bartlett (Med. II) Utah  
 A.B. 1936, Brigham Young  
 University  
 †Hampton, Jane Elizabeth (Jun.) D.C.  
 Hampton, Thomas Henry (Univ.) Okla.  
 Hancock, John Gregory (Jun. 27) Ohio  
 Hancock, Frances Fowler (Jun. 21) D.C.  
 †Hancock, Glennia Mae (Jun.) D.C.  
 †Hancock, Jay Bright (Univ.) N.J.  
 Hancock, William Owen, Jr. (Col. 88) D.C.  
 Hand, Edith Mae (Col. 74) Ark.  
 Hand, Frank Bailey, Jr. (Law II) Colo.  
 A.B. 1936, The George Washington  
 University  
 †Handrau, Howard Pomeroy (Eng.) D.C.  
 Handy, Edie Bruce (Ed., A.M.) D.C.  
 A.B. 1937, The George Washington  
 University  
 Handford, Barbara Lee (Jun.) Va.  
 †Hanger, Mattie Houston (Univ.) Mo.  
 A.B. 1933, Webster College  
 †Hanken, Raymond George (Jun. 122) D.C.  
 †Harkin, Ruth Doris (Jun. 6) D.C.  
 Hankins, Robert Barlow (Law III) D.C.  
 A.B. 1936, The George Washington  
 University  
 Hanks, Clementine (Col., A.M.) D.C.  
 A.B. 1938, The George Washington  
 University  
 Hanley, Donald Bartholomew (Jun. 51) W.Va.  
 Hanley, John Alexander III (Law III) D.C.  
 A.B. 1934, Washington and Lee  
 University  
 Hanley, Lloyd Graham (Law II) Ill.  
 A.B. 1935, University of Missouri  
 Hanna, George Edward (Jun. 34) Kans.



Hanna, Jane (Univ.)	D.C.	†Harris, Robert George (Law, Uncl.)	Mich
†Hanna, William P. (Univ.)	D.C.	B.S. in M.E. 1930, University of Michigan	
Hanowell, Ernest Goddin (Jun.)	D.C.	J.D. 1933, Detroit College of Law	Ohio
Hansborough, Wade Newton (Univ.)	Va.	Harris, William George (Med. III)	Va.
Hanscom, Fred Robert (Jun. 45)	Maine	†Harrison, Anne Franklin (Law I)	
Hansen, Lawrence Lee (Jun. 4774)	Utah	A.B. 1937, Mary Baldwin College	Okla.
Hansen, Wayne Jay (Law II)	Calif.	Harrison, Arthur R. (Col., A.M.)	
†Hanson, Alice Cable (Univ.)	Iowa	A.B. 1935, Oklahoma City University	
A.B. 1925, A.M. 1928, University of Washington		†Harrison, Evelyn (Col., A.M.)	Md.
Hanson, Clara A. (L.S. 72)	D.C.	B.S. 1912, University of Maryland	Calif.
†Hanson, Emmett Copeland (Col. 60)	Ga.	Harrison, Harold Steele (Jun. 42)	Va.
†Hanson, Ernest William (Jun.)	Calif.	†Harrison, Lulla Fawcett (Jun. 2)	N.C.
Harbaugh, Eva Luella (Ed., A.M.)	Md.	Harrison, Marjorie Belle (Ed., A.M.)	
A.B. 1931, The George Washington University		A.B. 1936, The George Washington University	
Harbin, James Edwards (Col., A.M.)	D.C.	Harrison, Sydney Lee (Col. 10143)	D.C.
A.B. 1930, Wofford College		Harrison, Vernon (Univ.)	D.C.
Hardiman, Gertrude P. (Ed., A.M.)	Minn.	†Harrison, William Hollis (Univ.)	Ark.
B.S. 1933, University of Minnesota		Harrison, William Wirt, Jr. (Law III)	S.C.
*Hardiman, Ralph Stevens (Law, LL.M.)	Minn.	A.B. 1927, Davidson College	D.C.
A.B. 1933, University of Minnesota		†Hart, Clifford Graham (Jun. 24)	Ohio
LL.B. 1936, The George Washington University		Hart, Cecil Harry (Med. I)	
†Harding, Stanley Buckmaster (Jun.)	Iowa	A.B. 1925, Hiram College	Idaho
Hards, Lawrence Aidan John (Eng.)	Ill.	†Hart, Joseph Irel (Law II)	
†Hardtke, Milton Wallace (Jun.)	Minn.	A.B. 1911, Brigham Young University	
Hardy, Catherine Ella (Jun.)	Md.	†Hart, Robert Norton (Univ.)	D.C.
Hardy, Leonard Daniel (Law III)	Miss	Hartley, Dorothy Violet (Jun. 1)	D.C.
A.B. 1928, University of Mississippi		Hartman, Joseph Anthony (Eng. 89)	Md.
†Hargett, William Oliver (Jun. 38)	Ala.	†Hartman, Theo Campbell (Ed., A.M.)	D.C.
Hargy, Francis Robert (Univ.)	Md.	A.B. 1920, The George Washington University	
Haringer, Albert Michael (Jun. 103)	Ind.	Hartmann, George William (Eng. 50)	Calif.
Harkness, Frank (Univ.)	N.Y.	Hartnell, George Freeman (Eng.)	Md.
B.S. in M.E. 1925, Ohio Northern University		†Hartnett, Helen Frances (Univ.)	D.C.
†Harkness, Mary Louise (Univ.)	Ky.	Hartough, Howard Dale (Col., A.M.)	Ill.
Harlan, Jack Rodney (Col. 95)	D.C.	A.B. 1926, Hope College	
Harlan, John Graydon, Jr. (Jun. 18)	D.C.	Hartung, Elizabeth (Col., A.M.; Univ.)	D.C.
Harmon, Barbara Ruth (Govt. 61)	Va.	A.B. 1937, The George Washington University	
Harmon, Elmer Winfred (Law I)	Mass.	Hartung, Ruth Ottilie (Col. 67)	D.C.
B.S. 1930, M.S. 1933, Massachusetts Institute of Technology		Hartwell, Grace Frederick (Med. I)	Calif.
Harmon, Robert Luther (Jun. 48)	Utah	A.B. 1925, American University	
Harmon, William Bosomworth (Jun.)	D.C.	*Harvey, George Reuben (Col. 11034)	Wash.
†Harness, Charles Leonard (Jun. 42)	Tex.	†Haske, John Petrus (Jun. 12)	D.C.
Harper, Anna Elizabeth (Ed. 105)	D.C.	†Haskell, Elaine Louise (Jun. 9)	D.C.
Harper, Helen Virginia (Ed., A.M.)	D.C.	Haskell, Fred Bliss, Jr. (Govt. 94)	D.C.
A.B. 1928, The George Washington University		Haskell, George Brownfield (Jun. 48)	D.C.
†Hartrell, Amelia S. (Univ.)	N.Dak.	Haskell, Trueman Latham (Eng. 22)	D.C.
†Harris, Ellen Arrington (Col., A.M.)	D.C.	Haslam, William Hill (Col., A.M.)	
A.B. 1937, University of Alabama		B.S. 1934, Brigham Young University	
Harris, Ernest Malone, Jr. (Law, LL.M.)	N.C.	Haspray, Joseph (Jun. 1)	Ohio
A.B. 1931, Wake Forest College		†Hassell, Frank S. (Jun., Uncl.)	D.C.
LL.B. 1936, The George Washington University		†Hasselvander, Mary Evelyn (Col., A.M.)	D.C.
Harris, Everett Grant, Jr. (Jun.)	Va.	A.B. 1932, Lynchburg College	Calif.
Harris, Frank Henry (Med. III)	Ohio	†Hatch, Hazel (Law I)	
A.B. 1932, Ohio State University		A.B. 1925, Stanford University	Va.
†Harris, Freddie Lucille (Ed., A.M.)	D.C.	Hatcher, Walter Julian (Jun. 6)	D.C.
A.B. 1929, The George Washington University		Hatchett, Lela Margaret (Jun. 85)	D.C.
Harris, Gean Westlake (Jun.)	Md.	Hatheld, Norma Sherrod (Jun. 44)	D.C.
Harris, John Ashton (Law III)	Va.	†Hathaway, Caleb Richard (Law I)	
A.B. 1932, University of Richmond		A.B. 1936, University of Maryland	Miss.
†Harris, Kenton L. (Col., A.M.)	D.C.	†Hathorn, Fleet Cooper, Jr. (Law III)	
B.S. 1935, University of California, Berkeley		B.S. 1933, Mississippi State Teachers College, Hattiesburg	D.C.
Harris, Lois Elizabeth (Law II)	Iowa	†Hatke, Margaret Elizabeth (Jun. 46)	Va.
A.B. 1937, Drake University		†Hauber, Edwin N. (Univ.)	Va.
		Haubner, John Wesley (Law II)	
		B.S.E. 1934, Princeton University	



†Haugen, Zelma Ames (Univ.)	D.C.	†Hoffman, Maryelene (Ed. 92)	D.C.
Haughey, John Paul (Jun. 31)	Mass.	Holley, Nona Barker (Jun. 27)	D.C.
Haughey, John Theodore (Col. 84)	Ill.	Hollin, Fitzhugh William (Jun.)	D.C.
Haupt, Ralph Freeman (Col., A.M.)	Kans.	Hoge, Edwin Collins (Jun. 32)	D.C.
B.S. 1933, The George Washington University		†Hogg, Freda (Univ.)	Mo.
Hausknecht, Ephraim (Col. 101; Govt.)	N.Y.	†Hoot, Elizabeth Leona (Jun.)	Mo.
Haves, Florence Charlotte (Jun.)	D.C.	†Hottel, Anna Manchester (Univ.)	Ohio
Haves, Mildred (Col. 69)	D.C.	Hewes, Harold Lynwood (Med. II)	Pa.
†Hawkins, Dorothy Lee (Jun.)	D.C.	A.B. 1917, The George Washington University	
Hawkins, Kate Holt (Univ.)	Va.	Hellman, Amy Elizabeth (Govt. 60)	Wyo.
Hawkinson, Margaret Eunice (Col., A.M.)	Kans.	†Helm, Lucille Gerstin (Ed. 58)	D.C.
A.B. 1912, Bethany College, Kansas		†Hemey, Margaret Roth (Univ.)	Ohio
Haworth, Betty Mathews (Jun.)	W.Va.	Heiskell, Elaine Powell (Jun. 62)	Id.
†Haworth, Ross Albert (Col. 89 1/3)	Idaho	†Heitmüller, Josephine Alvina (Univ.)	D.C.
Hawthorne, Richard Glenn (Jun. 30)	Ga.	B.S. 1936, Wilson Teachers College	
Hawthorne, Robert Earle (Jun.)	Va.	Heitzman, Sister Celine Mary (Med. IV)	N.Y.
Hayden, Byron R. (Jun. 51)	Oreg.	B.S. 1934, St. Bonaventure College	
Hayes, Catherine Elizabeth (Col., A.M.)	Va.	Helffett, Jay Leon (Univ.)	Md.
A.B. 1920, The George Washington University		B.S. 1937, University of Maryland	
†Hayes, Catherine Gertrude (Univ.)	D.C.	†Heller, Jeannette (Univ.)	N.Y.
Hayes, Dean Maeser (Med. II)	Utah	A.B. 1928, Hunter College	
Hayes, Douglas Ridgely (Jun. 33)	Va.	†Heller, Luis LeRoy (Jun. 54)	Ill.
†Hayes, Gerald Mark (Jun. 12)	Wash.	Helm, Henschel Haycock (Jun. 11)	D.C.
†Hayes, Lloyd Donald (Jun.)	Okla.	Helm, Henschel Haycock (Law II)	D.C.
Hayes, Oliver Wolcott (Law I)	Md.	B.S. in Eng. 1933, B.S. in E.E. 1935, The George Washington University	
B.S. 1937, Brown University		Hemba, Alan (Univ.)	Miss.
Hayes, Oswald Gray (Law II)	Utah	†Hemelt, Anthony Charles (Govt., A.M.)	D.C.
B.S. 1935, The George Washington University		B.E.E. 1936, Catholic University of America	
Haynes, Harry James (Med. IV)	D.C.	†Hemingway, Adelaide (Univ.)	Md.
Haynes, John Lennex (Law I)	D.C.	A.B. 1928, A.M. 1932, Oberlin College	
B.S. in C.E. 1930, The George Washington University		†Hendershott, Burton Hughes (Univ.)	Iowa
Haynes, Mary Esther (Col., A.M.)	N.C.	Henderson, Ethel Lelah (Univ.)	Mo.
A.B. 1920, University of North Carolina		†Henderson, Ethel Smith (Univ.)	D.C.
†Hays, Dolph (Jun. 30)	Ark.	†Henderson, Frances Wilcox (Univ.)	Wis.
†Hays, Kenneth Newton (Govt., A.M.)	Kans.	†Henderson, Harry W. (Univ.)	N.Y.
A.B. 1933, Municipal University of Wichita		A.B. 1930, State University of Iowa	
†Hays, Omar Ichabod (Jun. 42)	Ga.	Henderson, James Melings (Law III)	Tex.
Hayward, John Paul (Jun. 47)	Maine	†Henderson, Mary Ann (Univ.)	D.C.
†Hayward, John Albert (Univ.)	Mo.	A.B. 1934, A.M. 1937, The George Washington University	
Hazard, John Henry (Med. IV)	D.C.	†Henderson, Opal J. (Univ.)	Okla.
A.B. 1935, The George Washington University		Henderson, Ralph Leonard (Univ.)	D.C.
Hazelrigg, Charles Tabb (Univ.)	Ky.	A.B. 1937, The George Washington University	
A.B. 1937, Centre College of Kentucky		Henderson, Roy Burge (Eng. 48)	D.C.
Head, James Felton (Jun. 61; Col.)	N.C.	†Hendley, Nancy Jane (Univ.)	Md.
†Healy, Arthur (Col. 81)	Conn.	A.B. 1927, Goucher College	
†Healy, Ernest Alfred (Ed., A.M.)	Va.	Hendricks, Arthur Glen (Law III)	Ill.
A.B. 1915, The George Washington University		A.B. 1927, Illinois College	
Healy, Martin Aloysius (Jun.)	N.Y.	†Hendrickson, Edwin Okey III (Jun. 24)	Pa.
Heany, Rita Teresa (Jun. 30)	Md.	†Hendrix, William Chandler (Univ.)	D.C.
Heap, Catherine Durant (Univ.)	D.C.	Hergstler, John Jacob (Univ.)	Md.
Hearn, Saul D. (Col., A.M.)	N.Y.	B.E.E. 1933, Catholic University of America	
B.S. 1934, Brooklyn College		Henkel, Mary Elizabeth (Jun.)	D.C.
†Heaton, Muriel Jean (Jun.)	Wash.	Heineberger, Ella Jean (Jun.)	Wyo.
†Hebbard, Dorothy (Univ.)	D.C.	Hennig, Elmer Albert (Govt., A.M.)	D.C.
Hechmer, Marie Antonette D. (Jun. 39)	W.Va.	A.B. 1937, University of Maryland	
LL.B. 1921, The George Washington University		Hennig, Hugo Martin (Eng. 52)	D.C.
Hecht, Arthur (Jun. 18)	Wis.	Hennison, Frank Burrows (Univ.)	N.J.
Hedgecock, Grover Wilson (Univ.)	D.C.	Henrick, Edythe Myrtle (Univ.)	D.C.
Heer, Robert R. (Law II)	Ill.	Henry, Blanche Isabelle (Univ.)	Maine
A.B. 1935, University of Illinois		A.B. 1933, University of Maine	
		†Henry, Donald Lee (Law I)	Mont.
		†Henry, George Robert (Col. 73)	Ind.

Henry, Helen Mary (Jun. 42)	Pa.	Hill, John Robert (Law II)	Ill.
Henry, Patrick Wallace (Jun. 12)	Mo.	Hill, Keav LeMoine (Jun. 30)	Va.
†Henry, Paul Lelan (Univ.)	Idaho	†Hill, Leonaine May (Univ.)	Alaska
†Henry, Robert (Univ.)	Ind.	Hill, Mary Ellen (Univ.)	D.C.
Henry, Robert Gardner (Univ.)	D.C.	†Hill, Pansy O. (Univ.)	Md.
B.S. 1936, Wilson Teachers College		B.S. 1929, Virginia State Teachers College, Farmville	
Herbert, Suzanne Loner (Jun. 40)	D.C.	Hill, Robert Arthur (Law I)	D.C.
Hermach, Francis Lewis (Eng. 24)	Ill.	B.S. 1924, University of Maine	
Herman, Kenneth Martin (Jun. 1)	D.C.	M.S. 1915, Massachusetts Institute of Technology	
Herrmann, Ludwig Harold (Law I)	Pa.	Hill, Robert L. (Law I)	Nebr.
B.S. 1931, Temple University		B.S. 1910, University of Nebraska	
Hernandez, Carlos Juan (Jun. 34)	D.C.	†Hill, Viola A. (Jun.)	D.C.
Hernandez, Jose Luis (Law, LL.M.)	P.R.	Hillia, Robert Herschel (Jun. 16)	Calif.
L.L.B. 1937, University of Puerto Rico		†Hillia, Patricia Wallace (Univ.)	D.C.
Herriek, Joseph Francis, Jr. (Jun. 24)	Wis.	†Hilman, Arnold (Jun. 15'2)	N.Y.
Herrick, Lucile Mary (Col., A.M.)	Minn.	Hilman, Samuel A. (Med. IV)	D.C.
B.S. 1924, University of Minnesota		A.B. 1935, The George Washington University	
†Herschfeld, Aaron (Univ.)	Minn.	†Hilton, Robert F. (Law, Uncl.)	Utah
B.S. 1922, College of the City of New York	N.Y.	B.S. 1916, LL.B. 1936, University of Utah	
A.M. 1924, Columbia University		Himelfarb, Norma (Jun.)	D.C.
Hershberger, Glen (Univ.)	D.C.	Himmelfarb, Arthur Robert (Univ.)	D.C.
A.B. 1923, Goshen College		Himmelfarb, Mildred (Jun. 30)	D.C.
†Hetson, Mollye (Jun. 18)	D.C.	Hinden, Passie Irene (Univ.)	N.Y.
Herzog, Florence (Jun. 23)	N.Y.	†Hinkle, Myrtle Victoria (Jun.)	Ala.
Heslet, Mary Rhoda (Col. 62)	Kans.	†Hinson, Edwards Reid (Univ.)	D.C.
Hess, Lelia Marjorie (Jun. 42)	Nebr.	†Hirsch, Frank William (Govt. 114)	Fla.
Hess, Ruby Gertrude (Jun. 9)	Iowa	Hirschfeld, James Albert (Law I)	D.C.
Hess, Walter Eugene (Ed., Ed.D.)	Md.	Hirschfeld, Martin A. (Col., A.M.)	N.Y.
A.B. 1924, Gettysburg College		B.S. 1936, College of the City of New York	
A.M. 1930, University of Wisconsin		†Hiscox, Nell Fremont (Ed., A.M.)	D.C.
Hewlett, John Pierce, Jr. (Jun. 38)	Tenn.	A.B. 1936, The George Washington University	
Hewston, Elizabeth Margaretha (Univ.)	D.C.	†Hiss, Priscilla Fansler (Univ.)	D.C.
B.S. 1929, A.M. 1930, The George Washington University		A.B. 1924, Bryn Mawr College	
Hiatt, Dorothy Anna (Univ.)	Kans.	A.M. 1920, Columbia University	
Huckman, Thorval (Med. I)	Utah	Hitchcock, Elson Frank (Jun.)	N.Y.
B.S. 1934, Utah State Agricultural College		Hitchcock, Mary Geraldine (Jun. 12)	Tenn.
Hicks, Louis Edward (Jun.)	Md.	Hite, Faith (Col. 104)	N.C.
Hicks, Mary Kathryn (Jun.)	Kans.	Hix, William Beryl (Law II)	Kans.
Hiesel, John Maurice (Col. 111)	Ark.	A.B. 1934, The George Washington University	
Hieble, Wilbur Warren (Med. IV)	Va.	†Hoagland, William Wallace (Jun. 24)	Kans.
Hieble, Howard Ernest (Col., A.M.)	Md.	Hobart, Carol Little (Jun. 78, Col.)	D.C.
B.S. in Ed. 1930, South Dakota State Normal School, Eastern		Hobbs, Alfred John (Univ.)	D.C.
†Higbie, Leslie Wilson (Law I)	Md.	Hobbs, James Arthur (Col. 66)	Ga.
B.S. 1917, University of Illinois		Hobbs, Robert Boyd (Law I)	D.C.
†Higgins, Madge Elizabeth (Univ.)	Va.	A.B. 1945, The George Washington University	
Higgins, William Francis (Jun. 3)	N.J.	Huberman, Joel Bernard (Univ.; Jun. 84'5)	Mass.
†Higham, Frances Theresa (Univ.)	Va.	†Hockman, Arthur (Univ.)	N.Y.
Hilder, Frazer Frost (Law I)	D.C.	A.B. 1933, Brooklyn College	
A.B. 1934, University of Michigan		Hodge, Barbara Anne (Jun.)	D.C.
Hilder, Peter Frost (Law I)	D.C.	Hodge, Frances May (Univ.)	D.C.
B.S. in C.E. 1936, University of Maryland		Hodge, Frank David (Med. III)	Utah
†Hill, Anne Blair (Col. 117'6)	D.C.	A.B. 1925, University of Utah	
†Hill, Carl Richard (Ed., A.M.)	Pa.	†Hodge, Ralph William (Eng. 67)	Va.
B.S. 1917, Wilson Teachers College		Hodge, Verna Louise (Jun.)	Ala.
Hill, Earl White (Law III)	Ga.	†Hodges, Jacob Thomas (Jun.)	D.C.
Ph.B. 1928, Emory University		†Hodges, Lucy Caroline (Jun.)	D.C.
†Hill, Elizabeth Marie (Jun. 74)	Mich.	Hodges, Mary Estella (Jun.)	D.C.
†Hill, Frances Bernette (Jun. 26)	Ohio	†Hodgkins, George Wilson	D.C.
†Hill, Gaylord Ford (Univ.)	Kans.	(Grad., Ph.D.)	
Mus.B. 1930, University of Kansas		A.B. 1915, A.M. 1916, The George Washington University	
Hill, Gretchen (Jun. 36)	Md.		
Hill, John Lyman (Law III)	Wis.		
A.B. 1937, The George Washington University			

Students Registered

li

Hodgkinson, Austin David (Jun.)	Md.	†Honer, Charles John (Univ.)	Pa.
Hodgson, Elizabeth Mure (Univ.)	D.C.	†Honeycutt, Mildred Frances (Univ.)	D.C.
B.S. 1935, Wilson Teachers College		Hooker, John Starn (Law I)	Pa.
Hodson, Ruth Ellen (Univ.)	Mont.	B.S. 1932, University of Pennsylvania	
Hoffheins, Francis Mervin (Col., A.M.)	D.C.	Hoover, George William, Jr. (Jun. 24)	D.C.
B.S. in Ch.Eng. 1933, The George Washington University		Hoover, William Kenneth (Col., A.M.)	Pa.
†Hoffman, Charles Edgar (Jun. 12)	D.C.	A.B. 1934, American University	Md.
Hoffman, Ethel Pauline (Jun. 12)	D.C.	Hope, Clifton (Col., A.M.)	
Hoffman, Ida Jeanette (Govt. 99)	Mo.	A.B. 1937, Washington College	Ga.
†Hoffman, Milton (Jun. 31)	N.Y.	Hopkins, Charlotte B. (Jun.)	
†Hogan, Hilbur Cawter (Univ.)	D.C.	Hopkins, Frances Elizabeth (Jun. 12)	D.C.
Hoge, Dorothy Otley (Ed., A.M.)	Va.	Hopkins, Julius Prince (Jun.)	D.C.
A.B. 1912, Virginia State Teachers College, Fredericksburg		†Hopper, Frances Virginia (Univ.)	D.C.
Hogentogler, Chester Albert (Jun. 27)	Va.	Hopper, Natalie Lane (Jun.)	D.C.
Hogentogler, Elizabeth Willis (Jun. 21)	D.C.	Hornbrook, Saunders Richards (Univ.)	Ma.
Hogg, Elmer Ernest (Jun. 69)	Ark.	Horner, Merle M. (Med. I)	Pa.
Hogner, Edna Elizabeth (Univ.)	Okla.	B.S. 1933, Innata College	
Hohberger, Doris (Col. 105; A.M.)	D.C.	Hotner, Ruth Gwendolyn (Jun.)	Va.
A.B. 1918, The George Washington University		Hornisher, Charles John (Jun. 45)	D.C.
Hohberger, Ruth (Jun.)	D.C.	Hornstein, Sophie (Jun. 26)	D.C.
Holcomb, Anne Lloyd (Jun. 57)	Va.	Horton, Hugh Byron (Jun. 59; I)	N.Dak.
Holcombe, Priscilla (Univ.)	D.C.	Horton, Roger Runyon (Law I)	N.Y.
A.B. 1914, The George Washington University		B.Chem.Eng. 1917, Rensselaer Polytechnic Institute	
A.M. 1937, Columbia University		Horwitz, Marcus (Med. IV)	N.Y.
Holden, James Bernard (Law I)	Idaho	Hosford, Charles Franklin III (Jun. 18)	D.C.
†Holderman, Samuel Gordon (Eng.)	Nev.	Hosley, Richard Elmer (Law II)	N.Y.
Holdstock, Henry Bruce (Govt. 74)	Calif.	M.E. 1934, Cornell University	
Holeman, Priscilla Keech (Jun.)	D.C.	†Hostetter, Ella Nell (Univ.)	Pa.
Hollabaugh, Marcus A. (Law II)	Ark.	B.S. 1931, Pennsylvania State Teachers College, Millersville	
Holladay, Fred Owen (Govt., A.M.)	Miss.	Houbert, Edith Leone (Jun. 18)	Ohio
B.S. 1932, Millsaps College		†Houlahan, Charles William (Univ.)	N.Y.
Holland, Edwin Ziegler (Jun. 27)	D.C.	Houlahan, Mary Bowman (Jun. 32)	Va.
Holland, Frederick William (Eng.)	Va.	Houlahan, Ralph Benson (Grad., Ph.D.)	Conn.
Holley, Leila Dobbins (Ed., A.M.)	D.C.	B.S. 1935, Trinity College, Connecticut	
B.S. 1937, The George Washington University		†Houston, Flora Kail (Ed. 95)	D.C.
Holley, Max Vinson (Eng. 97)	D.C.	†Howard, Doris Willson (Jun.)	Va.
Hollinger, William Kenneth (Univ.)	Pa.	Howard, Dorothy Breeding (Col., A.M.)	Va.
Hollingsworth, Margaret (Ed. 80)	Ga.	A.B. 1926, Berea College	
Hollingsworth, Samuel S. (Law I)	D.C.	Howard, Florence Inez (Ed., A.M.)	Kans.
†Holloran, Margaret Anna (Ed. 71)	D.C.	A.B. 1928, The George Washington University	
Holloway, O. Willard (Jun. 95; I.S.)	N.Y.	Howard, George Rogers (Univ.)	D.C.
Hollowell, Lahuna Clinton (Ed., A.M.)	Md.	Howard, I. Roy (Med. I)	D.C.
A.B. 1938, The George Washington University		Howard, Jean Ross (Univ.; Col. 85)	D.C.
Holm, Helen Marie (Jun. 32)	D.C.	†Howard, Laskey Johnson (Ed., A.M.)	D.C.
†Holmes, Elizabeth Reynolds (Univ.)	N.Dak.	A.B. 1927, The George Washington University	
†Holmes, Helen Bovee (Univ.)	Md.	Howard, Marcus Lorraine (Univ.)	Ga.
Holmes, Ralph Miller (Law II)	Oreg.	†Howard, Mary Helen (Jun. 40)	Pa.
B.S. 1934, University of Oregon		†Howard, Ronald Johnston (Jun.)	Tex.
Holmes, Robert St. Clair (Law II)	D.C.	Howe, Henry Herbert (Grad., Ph.D.)	Nebr.
A.B. 1923, Swarthmore College		A.B. 1928, A.M. 1931, University of Nebraska	
A.M. 1927, University of Pennsylvania		Howe, John R. (Col., A.M.)	Colo.
Ph.D. 1932, Princeton University		A.B. 1933, University of Colorado	
Holmes, Thomas James (Ed., Ed.D.)	Md.	*Howell, James McClellan (Ed., A.M.)	Okla.
B.S. 1924, University of Maryland		B.S. 1935, The George Washington University	
M.S. 1930, The George Washington University		†Howell, William Tayman (Jun. 29)	D.C.
Holober, Melvin Charles (Jun. 45)	D.C.	†Hoy, Dorothy Amelia (Jun.)	D.C.
Holt, Allan Tipton (Ed. 112)	Okla.	Hoyem, Helen Karen (Jun. 54)	D.C.
†Holtz, Mildred N. (Jun. 9)	Pa.	Hoyt, Ard (Univ.)	Ariz.
Homer, David (Law III)	Utah	Hoyt, Charles Guthrie (Med. I)	S.Dak.
B.S. 1931, M.S. 1932, Utah State Agricultural College		†Hoyt, David Donald (Govt., A.M.)	Ariz.
Honan, Angela Gertrude (Jun.)	D.C.	A.B. 1936, University of Arizona	
		Hoyt, Forrest T. (Law II)	Ariz.



†Hubbard, Allen Bradley (Law III)	Wis.	Humphrey, Virgil Morris (Jun.)	Ky.
Hubbard, Jerome Gellibrand (Col., A.M.)	D.C.	Humphreys, John Ray (Univ.)	D.C.
B.Pol.Sci. 1927, American University		Hung, Ching Chung (Ed., Ed.D.)	China
M.F.S. 1928, Georgetown University		A.B. 1927, San Diego State College	
Hubbard, Ruth Dennis (Jun. 12)	D.C.	A.M. 1929, Columbia University	Tes.
Hubbard, Dwight Lowell (Med. I)	Calif.	Hunnicutt, Alvin Lester (Jun.)	Md.
A.B. 1935, San Jose State College		Hunt, Clifford Howard (Univ.)	D.C.
A.B. 1937, The George Washington University		Hunt, Gilbert Agnew, Jr. (Univ.)	Ariz.
Huber, Albert (Col. 111, A.M.)	Utah	†Hunt, James Veit (Jun. 72 75)	Minn.
A.B. 1938, The George Washington University		Hunt, Madison (Grad., Ph.D.)	
Huber, Rudolph Kee (Govt., A.M.)	Calif.	A.B. 1934, M.S. 1935, University of Illinois	
B.F.S. 1937, University of Southern California		Hunter, Amy Belle (Col. 90)	D.C.
Huddleston, Edith Mary (Col. 61)	D.C.	Hunter, Caroline Miscally (Jun.)	Ga.
Huddlestone, George Samuel (Jun.)	Ala.	†Hunter, Cora Regina (Univ.)	Md.
Huden, Melvin (Law I)	Ohio	Hunter, Eleanor Isabel (Univ.)	Pa.
A.B. 1933, University of Dayton		†Hunter, Elizabeth Wiley (Univ.)	N.C.
Hudson, George E. (Col. 109)	D.C.	Hunter, Frank Rhodes (Eng. 86; Law I)	D.C.
Hudson, Harold Woodrow (Jun.)	Colo.	Hunter, John Merritt, Jr. (Law II)	N.J.
Hudson, Keith P. (Col., A.M.)	Utah	Hunter, Richard Sewall (Col., A.M.)	Va.
B.S. 1935, University of Utah		A.B. 1937, The George Washington University	
Hudson, Paul Lasley (Eng.)	D.C.	Hunter, William James D. (Law II)	Va.
†Hudson, Raymond Minor, Jr. (Law III)	D.C.	Huntington, Camp Stanley (Med. III)	D.C.
†Hudson, Thomas Patrick (Univ.)	D.C.	A.B. 1936, The George Washington University	
Huetting, Hugo Gustav, Jr. (Law II)	D.C.	†Huntley, Alan (Univ.)	D.C.
A.B. 1935, Princeton University		†Huntzberger, Lee I. (Law III & Univ.)	D.C.
Huff, Carroll Woodrow (Jun. 24)	Ohio	B.S. in Eng. 1936, The George Washington University	
Huff, Henry Shadoin (Law I)	Md.	Hurd, Charles Gray (Jun. 24)	D.C.
B.S. in E.E. 1934, New York University		†Hurd, Grace Elizabeth (Jun. 60)	D.C.
†Huff, John Prentiss (Eng.)	Va.	Hurd, Willis Lee (Law I)	D.C.
Huff, Ray L. (Ed., Ed.D.)	Pa.	†Hurley, Eleanor Marie (Univ.)	N.Dak.
B.S. 1916, A.M. 1924, University of Pittsburgh		Hurly, William Charles (Col. 95)	D.C.
Huffman, William Francis (Jun. 3)	D.C.	Hursh, Francis Harold (Eng. 76)	Va.
Huffman, Yale Bryant, Jr. (Jun. 67)	Nebr.	Hurst, Virginia Alice (Jun. 24)	Miss.
Hughes, Charles Randolph, Jr. (Med. III)	D.C.	Hurt, Ruth Winifred (Jun.)	Ohio
†Hughes, Edgar Temple (Law I)	Pa.	Husic, William John (Eng. 15)	D.C.
B.S. in E.E. 1923, Pennsylvania State College		Huss, James Porter (Col. 114, A.M.)	
†Hughes, Hazel Mae (Jun. 9)	Ill.	A.B. 1918, The George Washington University	
†Hughes, Mary Margaret (Jun. 18)	D.C.	Hust, Raymond Alfred (Law III)	Utah
Hughes, Walter Clifford (Jun.)	D.C.	†Hustead, Chester Cornelius (Jun. 21)	Nebr.
†Huhn, Florence Celestia (Ed., A.M.)	D.C.	†Huston, Margaret Elizabeth (Univ.)	Wis.
B.S. 1936, Wilson Teachers College		Hutchings, Paul R. (Law I)	
Hulbert, Leila (Med. I)	Md.	Ed.B. 1933, Wisconsin State Teachers College, Milwaukee	Va.
Hulett, Lela Martha (Jun.)	Ill.	Hutchins, Charles Morris (Law II)	
Hulett, Wyllia (Jun. 10)	Ill.	B.S. in E.E. 1934, Purdue University	
Hull, Fern Marguerite Lane (Univ.)	Colo.	Hutchison, Frances Elizabeth (Ed. 80)	Md.
A.B. 1929, University of Colorado		†Hutchison, Nancy Theresa (Jun.)	D.C.
Hull, Maury Isaac (Col., A.M.)	Tenn.	†Hutson, John H., Jr. (Law II)	Va.
A.B. 1932, Southwestern University		A.B. 1934, The George Washington University	
Hull, Moody (Govt., A.M.)	W.Va.	Hutt, James Brooke (Eng.)	Va.
A.B. 1933, The George Washington University		Hutto, Elizabeth Anderson (Jun. 33)	S.C.
Hultin, Clifford Thomas (Law I)	Va.	Hutton, Alvin Campbell (Univ.)	D.C.
A.B. 1925, B.Ch.E. 1931, M.S. 1934, University of Minnesota		Hutton, Iverson Lane (Jun. 27)	Md.
†Hultz, Louise C. (Univ.)	Ind.	Hutton, Junius Oscar (Univ.)	Md.
†Humphrey, David John (Jun. 31)	Md.	Hutton, Pierce (Univ.)	Ark.
Humphrey, Elwood McClure (Law I)	Ky.	Hyatt, Mansfield Sharpe (Jun.)	Pa.
A.B. 1931, Centre College of Kentucky		Hyatt, William S., Jr. (Law III)	Kans.
Humphrey, Frances Estella (Col., A.M.)	S.Dak.	A.B. 1916, The George Washington University	
A.B. 1937, The George Washington University		Hyde, Donald (Jun. 86; Col.)	Idaho
Humphrey, Rose Castell (Univ.)	D.C.	Hyde, Elizabeth K. (Univ.)	D.C.
		†Hylton, Percy Hiram (Jun. 65)	Ill.
		†Hyslop, Frances (Univ.)	Minn.
		A.B. 1920, Macalester College	
		Hysong, Jerry Edgar (Jun. 57)	D.C.

## I

I'Anson, Robert Locke (Jun.) D.C.  
 Ickahan, Harold James (I. S. 197) D.C.  
 Ide, Georgia Berenice (Jun.) Fla.  
 Huff, John William (Law III) Ill.  
 B.S. 1932, Northwestern University  
 Inbody, Paul Franklin (Jun. 57) Va.  
 Ing, Anna May (Jun. 71) China  
 Ing, Lota Ions (Col. 111) China  
 Ing, Winifred Mary (L.S. 98) D.C.  
 Ingram, Mary Eleanor (Univ.) D.C.  
 †Ingrack, Helen Stevens (Univ.) D.C.  
 Ipsen, Donald Keller (Law III) Utah  
 Irani, Ardeshir B., Jr. (Jun. 48) D.C.  
 †Irby, Dorothy Lee (Univ.) Tex.  
 Ireland, Anna Evelyn (Ed. 12042) Ind.  
 Ireland, Andrew Theodore (Univ.) Nebr.  
 A.B. 1916, Duane College  
 Ireland, Otto Miller (Law I) Nebr.  
 A.B. 1916, Duane College  
 Ireton, Hap Washington (Eng. 24) Okla.  
 Irwin, Hugh Wagner (Med. III) D.C.  
 †Iruck, Eugene Frank (Univ.) Kans.  
 Irish, Oliver John (Grad., Ph.D.) D.C.  
 A.B. 1916, State University of Iowa  
 M.S. 1924, The George Washington University  
 Irwin, William Gordon (Jun. 24) D.C.  
 †Irving, Bruce Landon (Univ.) Utah  
 †Irving, Dawn Louise (Jun.) D.C.  
 Irving, Ernest Jones (Jun.) D.C.  
 Irving, George Washington, Jr. (Grad., Ph.D.) Maine  
 B.S. 1933, A.M. 1935, The George Washington University  
 Irving, Irvine B. (Ed. A.M.) D.C.  
 B.S. 1926, Wilson Teachers College  
 Irwin, Elsie (Ed. 122; Col. A.M.) N.Y.  
 A.B. 1918, The George Washington University  
 †Isaacs, Bernard (Jun.) N.Y.  
 Isaacs, Lois (Col. 65) D.C.  
 Isbell, Max Davidson (Jun. 55) Md.  
 †Islerwood, Ruth Kowitz (Univ.) D.C.  
 Itkov, Solomon (Eng. 117) Va.  
 Israel, Lydia Ann (Jun.) D.C.  
 †Israelson, Marjorie Lucille (Jun. 6) Utah  
 Iwasaki, Alexander A. (Jun. 16) Pa.  
 †Iwaszkiewicz, Jennie M. (Jun.) Mass.

## J

Jackson, A. Gifford (Law I) Utah  
 †Jackson, Boyd W. (Col., A.M.) Oreg.  
 A.B. 1925, University of Oregon  
 †Jackson, Claude Hayden (Univ.) Mass.  
 Jackson, Donald Ramsbury (Jun. 13) D.C.  
 Jackson, John Francis (Law I) Calif.  
 A.B. 1914, Santa Barbara State College  
 Jackson, Marvin Watson (Jun. 66) Nev.  
 Jackson, Rose Marie (Univ.) Va.  
 †Jacob, Roger F. (Univ.) Ohio  
 †Jacobs, Isadore Jack (Jun.) D.C.  
 Jacobs, John Roswell (Law II) Va.  
 A.B. 1914, A.M. 1935, The George Washington University  
 Jacobs, Leon (Col., A.M.) N.Y.  
 A.B. 1915, Brooklyn College  
 Jacobs, Ralph I. (Med. IV) N.Y.  
 B.S. 1914, The George Washington University

Jacobs, Walter William (Col., A.M.) N.Y.  
 B.S. 1924, College of the City of New York  
 Jacobsen, Max C. (Univ.) Utah  
 Jacobsen, Paul Desvar (Law III) Iowa  
 †Jacobsen, Roscoe Gail (Univ.) Md.  
 Jacobsen, S. Edmer (Law I) Utah  
 †Jacobsen, Lereine Therese (Ed. 85) N.Y.  
 Jacobsen, Miriam (Col., A.M.) N.Y.  
 A.B. 1924, Brooklyn College  
 Jacobson, Ralph Gibson (Jun. 13) Nebr.  
 Jacoby, Rufus (Univ.) D.C.  
 B.S. 1913, Pennsylvania State College  
 †Jacoby, William James, Jr. (Jun.) D.C.  
 †Jacoby, Asenath (Univ.) N.Mex.  
 Jacor, Carol M. (Univ., Col., A.M.) Iowa  
 A.B. 1934, University of Dubuque  
 Jager, Dorothy Struble (Med. III) D.C.  
 Jaffe, Daniel (Med. IV) N.Y.  
 A.B. 1935, New York University  
 Jaffe, Joseph (Univ.) D.C.  
 Jaffe, Sidney (Col. 12042, A.M.) N.J.  
 A.B. 1928, The George Washington University  
 Jaffe, Toby (Jun. 43) N.J.  
 Jaffe, William (Govt., A.M.) Pa.  
 B.S. 1935, Temple University  
 Jahn, Patricia Dorothy (Jun. 61, Col.) D.C.  
 †Jakov, Milton (Eng., C.E.) Calif.  
 B.S. in C.E. 1931, The George Washington University  
 James, Ada Florence (Jun.) D.C.  
 James, David Bellon (Med. II) D.C.  
 B.S. 1926, Catholic University of America  
 James, I. Frank (Law I) N.Y.  
 James, Martha Henderson (Univ.) Ala.  
 James, Walter Faxon (Law I) Ala.  
 †Jameson, Mary M. (Univ.) D.C.  
 Jameson, Elizabeth Cecilia (Col., A.M.) D.C.  
 A.B. 1928, The George Washington University  
 Jones, Milo E. (Univ.) Ill.  
 Jankowski, John Joseph (Ed., A.M.) D.C.  
 A.B. 1914, Catholic University of America  
 Jansson, Florence Edna (Univ.) N.Y.  
 Jansson, Karl Harold (Jun.) D.C.  
 Jans, Sidney (Grad., Ph.D.) N.Y.  
 B.S.S. 1913, College of the City of New York  
 A.M. 1914, Columbia University  
 Jansen, Lala Herron (Col., A.M.) Calif.  
 Ed.B. 1931, University of California, Los Angeles  
 Jarboe, Louise (Col., A.M.) D.C.  
 B.S. 1917, The George Washington University  
 Jarboe, Mary Ellen (Jun. 5) La.  
 †Jarman, Burnice Herman (Ed., Ed.D.) D.C.  
 B.S. 1928, Pennsylvania State Teachers College West Chester  
 A.M. 1932, The George Washington University  
 Jarnach, Edward Edgar (Univ.) Ohio  
 Jarrett, Robert Gordon (Jun. 6244; Col.) Hawaii  
 Jarvis, Ann (Col. 8414) D.C.  
 †Jarvis, Kathryn Selles (Ed., A.M.) D.C.  
 A.B. 1920, The George Washington University  
 Jasny, Tatyana (Col. 93) D.C.

Jaster, Marion Charlotte (Jun. 54)	D.C.	Johnson, Sidney Arthur (Law I)	N.Y.
Jaszi, George (Univ.)	Ohio	B.Chem. 1933, Chem. Eng. 1934.	
B.S. 1936, University of London,		Cornell University	
England		Johnson, William Parke (Med. III)	N.J.
Jecko, Perry Joseph (Eng. 60)	D.C.	A.B. 1935, Columbia University	
†Jekko, Wilbur Hays (Univ.)	D.C.	Johnston, Aletha R. (Jun.)	Iowa
Jefferson, William Douglas (Eng. 27)	D.C.	Johnston, Anne Sue (Univ.)	S. Dak.
Jenkins, Ethel Bailey (Col. 84)	Va.	†Johnston, James C., Jr. (Univ.)	Va.
†Jenkins, George M. (Jun. 113)	Okla.	B.S. in Chem. Eng. 1934, Virginia	
Jenkins, Jasper Kenneth (Jun. 24)	D.C.	Polytechnic Institute	
Jenkins, W. Clayton (Med. I)	Utah	†Johnston, James Lamont (Law I)	Va.
A.B. 1931, Brigham Young		B.S. 1935, U. S. Naval Academy	
University		†Johnston, John Marshall (Jun.)	Calif.
Jennings, Dorothea Estelle (Ed. 89)	Ill.	Johnston, Joseph Edwin (Law II)	Utah
†Jennings, Lloyd Ernest (Jun. 9)	Ind.	A.B. 1934, University of Dubuque	
†Jennings, Miriam (Jun. 6)	Tenn.	†Johnston, Lorhera Cole (Jun.)	Md.
Jeschke, Margaret Devereux (Jun. 27)	D.C.	Johnston, Norman David (Jun.)	D.C.
†Jeta, Elizabeth Ann (Ed., A.M.)	D.C.	Johnston, Russel (Law, I. M.)	Mo.
B.S. 1936, Wilson Teachers College		A.B. 1927, University of Texas	
Jett, John Rabb (Law III)	D.C.	M.B.A. 1929, Harvard University	
A.B. 1935, Bucknell University		J.D. 1937, The George Washington	
Jewell, Dorothy Eads (Jun.)	D.C.	University	
Jimenez, Nicholas Quiriones (Med. I)	N.Y.	Johnston, Stuart Munson (Jun. 24)	Va.
Jones, Elizabeth Johnson (Jun. 9)	Tenn.	Johnston, Thomas Henry, Jr. (Eng. 96)	Va.
Jones, Richard Allen (Eng. 9)	N.Y.	Johnston, Wesley Amos (Col. 81;	N.Y.
†Johanna, Sister (Jun. 42)	D.C.	Law I)	Ill.
†John, James William (Jun. 10)	Pa.	Joiner, Walton M. (Law I)	
†Johnson, David Strand (Jun.)	D.C.	B.S. 1932, Bradley Polytechnic	
Johnson, Arthur, Jr. (Govt., A.M.)	Ala.	Institute	
A.B. 1935, University of Alabama		Jones, Ada Louise (Jun.)	Va.
Johnson, Augustus Clark (Jun. 38)	Va.	Jones, Allen Monroe (Law I)	D.C.
Johnson, Catherine Marie (Jun.)	Minn.	Jones, Amanda Charlotte (Ed. 8233)	Va.
†Johnson, Dorothy Reed (Univ.)	Md.	Jones, Chase Breese (Grad. Ph.D.)	N.Y.
†Johnson, Edward Hinman (Univ.)	Kans.	A.B. 1932, Ripon College	
Johnson, Emanuel Robert (Jun. 96)	N.J.	A.M. 1933, The George Washington	
Johnson, Everett Anders (Eng. 71)	Ill.	University	
Johnson, Frances Ashlin (Col. A.M.)	D.C.	Jones, Don Russell (Jun. 45)	Ind.
A.B. 1937, The George Washington		†Jones, Elsie Naomi (Univ.)	Tenn.
University		†Jones, Ethel Ford (Col. A.M.)	S.C.
†Johnson, Frances Christine (Jun.)	Va.	A.B. 1936, Limestone College	
Johnson, George G. (Jun. 15)	Ill.	†Jones, Freddie Odell (Jun. 50)	Va.
Johnson, Hildemar Ernest (Law III)	N. Dak.	Jones, Ira King (Eng. 73)	D.C.
Johnson, James Lloyd (Law I)	Ohio	Jones, Jack Albert (Jun. 104)	Tex.
B.S. in E.E. 1934, The George		†Jones, Jack R. (Jun. 39)	Va.
Washington University		Jones, Jackson Shannon (Jun. 89)	Ohio
Johnson, June Rose-Marie (Jun. 30)	D.C.	Jones, Joe Allen (Col. 92)	D.C.
†Johnson, Keith C. (Ed., A.M.)	D.C.	Jones, John Laurence, Jr. (Law I)	D.C.
B.S. 1934, Wilson Teachers College		A.B. 1937, University of North	
Johnson, Kirt William (Govt., A.M. &		Carolina	
Law I)	Utah	Jones, John Richardson (Law II)	Wash.
B.S. 1933, Brigham Young		B.S. 1931, University of Minnesota	
University		†Jones, Kate Connor (Univ.)	N.C.
Johnson, Lena Leora (Jun. 36)	Wyo.	A.B. 1919, University of North	
Johnson, Lloyd N. (Law I)	Utah	Carolina	
B.S. 1935, Utah State Agricultural		A.M. 1927, Columbia University	
College		Jones, Louis Dan (Law II)	Okla.
Johnson, Louis William (Jun.)	Conn.	B.S. 1933, University of Oklahoma	
Johnson, Mabel Eleanor (Jun. 11)	D.C.	†Jones, Luther Edward, Jr. (Govt. 74)	Tex.
†Johnson, Norton Steele (Jun. 6)	Md.	LL.B. 1937, University of Texas	
Johnson, Pyke, Jr. (Col. A.M.)	D.C.	†Jones, Margaret Ann (Jun. 10)	D.C.
A.B. 1937, University of Maryland		Jones, Merriam Arthur (Grad., Ph.D.)	Minn.
†Johnson, Ray Elmer (Jun. 15)	D.C.	A.B. 1933, University of North	
Johnson, Richard Mercer (Jun. 52)	D.C.	Dakota	
Johnson, Robert Chester (Med. IV)	Pa.	†Jones, M. P. Jennings (Univ.)	Va.
B.S. 1934, University of Pittsburgh		A.B. 1914, Southwestern College	
†Johnson, Robert Louis (Jun.)	La.	Jones, Orvel Dan (Jun.)	Wyo.
Johnson, Rose-Emily (Jun.)	D.C.	Jones, Ralph Edmund, Jr. (Law III)	D.C.
Johnson, Roy William (Univ.)	Pa.	A.B. 1935, The George Washington	
Johnson, Rudolph C. (Jun. 40)	D.C.	University	
†Johnson, Samuel Smart (Eng. 27)	D.C.	Jones, Robert Moses (Law I)	Pa.
Johnson, Selmer R. (Col. 76)	Wis.	A.B. 1931, Princeton University	



Jones, Rosa A. (Univ.)	D.C.	‡Karpinsky, William (Law I)	N.Y.
Jones, W. A. (Jun. 10)	Tex.	B.S. 1933, Duke University	
Jones, Walter Kiger (Col. 88½)	Md.	†Kaspin, Ben Louis (Col. 106½)	Ill.
Jones, William Stanley (Univ.)	D.C.	Katz, Jack (Jun. 12)	D.C.
Joray, Paul Armand (Univ.)	D.C.	†Katz, Martin A. (Jun. 33)	Pa.
Jordan, John Edward (Univ.)	Mich.	‡Katz, Matilda (Univ.)	N.Y.
Jordan, Mary Louise (Jun. 44)	D.C.	Katz, Mortimer Bernard (Col., A.M.)	D.C.
Jordan, Svend Erik (Univ.)	Md.	B.S. 1935, Brooklyn College	
Jordan, Terral Augustus (Col. 100¾)	Miss.	Katz, Myer (Col., A.M.)	Wis.
Jorolemon, Marie Roberta (Jun. 60)	D.C.	Ed.B. 1932, Wisconsin State	
Joy, Kenneth Evans (Jun. 41)	D.C.	Teachers College, La Crosse	
Joyner, Frances Elizabeth (Jun. 69)	D.C.	Katz, Reva (L.S., Uncl.)	D.C.
†Joynt, John Howard (Univ.)	Va.	B.S. 1930, University of Minnesota	
B.S. 1925, Carnegie Institute of		Katz, Samuel Irving (Col. 65)	Tenn.
Technology		Katz, Solomon (Jun. 15)	N.Y.
M.S. 1928, Massachusetts Institute		Katz, Toby Lila (Univ.)	N.Y.
of Technology		Katzen, Bernard (Med. IV)	D.C.
I.L.B. 1941, The George Washing-		†Kauffman, Franklin W. (Jun.)	Neb.
ton University		Kauffman, Julius (Med. I)	D.C.
†Juinger, Helen E. (Univ.)	Ky.	B.S. 1947, The George Washington	
Jukes, J. H. Fielding (Law III)	Md.	University	Ohio
A.B. 1933, St. John's College		Kaufman, Esther (Univ.)	D.C.
†Julian, Kathryn Fayette (Jun. 15)	Ind.	Kaufman, Gertrude Mary (Jun. 60)	D.C.
Jusila, Lillian I. (Univ.)	Minn.	Kaufman, Joey (Jun. 81)	Ga.
Just, Carolyn Royall (Law II)	Ill.	Kaufman, Juliette (Jun., Uncl.)	N.Y.
Ph.B. 1934, University of Chicago		Kaufman, Morris (Govt. 90)	S.Dak.
K			
†Kadens, Joseph (Univ.)	D.C.	Kausch, Ernest Frank, Jr. (Jun. 63)	Pa.
Kadushin, Herbert (Law I)	N.Y.	Kautz, Robert Myers (Eng. 15)	Ill.
†Kaeppele, Erika Dorothea (Univ.)	D.C.	Kavalier, Frank James (Govt., A.M.)	
Kagan, Harold Nathan (Jun.)	N.Y.	A.B. 1947, The George Washington	
†Kagen, Ethel Wool (Ed. 114)	D.C.	University	D.C.
†Kahler, Elizabeth S. (Med. II)	D.C.	Kay, Harry (Law II)	Mo.
B.S. 1933, A.M. 1935, The George		Kaye, Homer Cash (Jun. 22)	Fla.
Washington University		Kaye, Roy George (Jun. 48)	Va.
†Kahn, Myrtle (Univ.)	N.Y.	†Kaylor, James Samuel (Univ.)	Va.
Kailey, Eva Lillian (Law II)	Neb.	†Kaylor, Lewis Bateman (Univ.)	Tex.
B.F.A. 1932, Nebraska Wesleyan		Keahy, Paul Duce (Jun. 42)	Pa.
University		Kearney, John Francis (Jun. 42)	D.C.
Kaitz, Hyman Benjamin (Jun. 26)	Mass.	Keating, Mary Dolores (Jun. 42)	Md.
Kalachov, George Paul (Eng. 5)	D.C.	Keebler, Anne Paxton (Jun.)	D.C.
†Kale, Norma Josephine (Univ.)	Va.	Keegan, Harry Joseph (Eng. 51)	D.C.
A.B. 1927, A.M. 1933, The George		†Keegan, Hedwiga Schmidt (Univ.)	D.C.
Washington University		Keeler, Clark Beane (Law III)	N.Y.
Kalmans, Ethel Toby (Jun. 18)	D.C.	Keeler, Ruth (Jun. 57)	Mass.
†Kammerer, Rebecca Estell (Univ.)	D.C.	Keely, James Everett (Law II)	
B.S. 1936, Wilson Teachers College		B.S. 1940, Massachusetts Institute	
Kamisky, Israel Benjamin (Col. 114)	Pa.	of Technology	D.C.
Kanczuga, Henry J. (Jun.)	Ill.	†Keene, Beatrice Brown (Univ.)	Miss.
Kane, Mary Katherine (Jun. 6)	Iowa	Keeton, Ednor Maude (Univ.)	Pa.
Kanelopoulos, Arthur Peter (Jun. 60)	D.C.	†Keim, Walter George (Col. 83)	D.C.
Kangas, Pell (Jun. 17)	Mich.	Koser, Mary Bette (Jun.)	D.C.
Kannady, Jack (Eng.)	Tex.	†Keller, Alice Lee Lambert (Jun.)	La.
†Kannenber, Myron Hollis (Jun. 24)	Minn.	Keller, Ruth Anna (Ed. 85)	Va.
†Kanof, Norman Balfour (Med. I)	D.C.	Keller, William Ross (Law I)	
Kaplan, Harry (Jun.)	Ill.	B.S. 1935, Louisiana State	
Kaplan, Harry Richard (Jun. 12)	N.Y.	University	S.Dak.
Kaplan, Morris (Col., A.M.)	N.Y.	†Kelley, Josephine Ward (Univ.)	Md.
B.S. 1932, College of the City of		Kelley, Mary Virginia (Jun.)	D.C.
New York		Kelly, Amelia (Jun.)	N.Y.
Kaprelian, Edward Karnig (Law I)	N.J.	Kelly, John Tyrone (Law II)	N.Y.
M.E. 1934, Stevens Institute of		Kelly, Thomas Michael (Univ.)	
Technology		B.S. in C.E. 1931, Union College,	
†Karch, Alice Anna (Jun.)	Mo.	New York	Minn.
Kardell, Frederick Lloyd (Jun. 15)	D.C.	Kelm, Ruth Mathilda (Univ.)	D.C.
Karet, Isadore Edward (Law I)	Pa.	†Kelso, Dorothy Kathleen (Jun. 55)	D.C.
B.S. 1934, Temple University		Kelso, Mary Emmeline (Jun. 71, I.S.)	D.C.
†Karna, Joann Gates (Jun.)	Va.	Kelso, Richard Edward (Med. III)	Va.
Karp, Sydney (Jun. 30)	N.J.	Kemp, Fletcher (Ed. Ed.D.)	
		A.B. 1909, Eastern College, Front	
		Royal, Virginia	
		A.M. 1937, American University	
		Kemp, Thomas Aubrey (Law II)	Md.
		A.B. 1914, Bucknell University	

Kemper, Edward Crawford, Jr. (Law I) A.B. 1937, The George Washington University	Md.	Keve, Paul Willard (Univ.) Key, Shirley Frances (Jun.) Keys, Leon Gilbreath (Law II) A.B. 1934, University of Oklahoma	D.C. D.C. Okla.
Kempka, Henry R. (Law I)	Ohio	Keys, Raymond Lynn (Eng. 49)	D.C.
†Kenderdine, Eleanor Ruth (Univ.)	D.C.	†Kessler, Herbert Fred (Ed., A.M.)	N.H.
Kendrick, John Alexander (Jun. 36)	D.C.	A.B. 1911, Colgate University	D.C.
Kenkel, Helen Marjorie (Col., A.M.) A.B. 1935, State University of Iowa	Iowa	Kibler, Virginia Claire (Jun. 27)	Mo.
Kennedy, Irene Murphy (Law II) A.B. 1913, Columbia University	D.C.	Kidd, Glenn Orville (Law I)	D.C.
Kennedy, Jesse Brett (Ed. 72)	D.C.	B.S. 1936, Washington University	N.Y.
†Kennedy, John Winn (Jun. 35)	Va.	Kiefer, Charles Frederick, Jr. (Law I)	N.Y.
Kennedy, Lann Skullman (Eng. 56)	Md.	Kiefer, Verna Volz (Col., A.M.)	N.Y.
Kennedy, Regis Leo (Jun. 1)	Pa.	A.B. 1917, The George Washington University	
†Kennedy, Stephen Muir (Univ.)	Va.	Kiernan-Vasa, Helen Cogan (Ed. 139, A.M.)	D.C.
†Kennedy, James Martin (Col., A.M.) A.B. 1915, Arkansas Agricultural and Mechanical College, Monticello	Ark.	A.B. 1938, The George Washington University	D.C.
†Kenney, M. Helen (Univ.)	W.Va.	Kies, Marian Wood (Col., A.M.)	D.C.
Kennon, Robert Stress (Jun. 1)	D.C.	B.S. 1936, University of Illinois	Iowa
Kennon, Troye Amyrl (Law I)	Okla.	Kieser, O. Burl (Univ.)	Pa.
A.B. 1936, University of Tulsa		Kietzline, Emma (Law III)	Ohio
†Kenny, Leo William (Law, L.L.M.) A.B. 1928, St. John's College, Toledo, Ohio	Ohio	Kiley, Edward Vincent (Jun. 12)	Ohio
LL.B. 1934, Georgetown University		†Kiley, John N., Jr. (Jun.)	N.Y.
Kent, Petrin Aloysius (Univ.)	Mo.	Killea, John F. (Law I) A.B. 1936, University of South Carolina	D.C.
Kente, Elizabeth (Law I) A.B. 1935, Hunter College	N.Y.	Killeen, Elizabeth Leone (Jun.)	N.J.
†Kerby, James Philip (Jun. 1)	Utah	Killeen, Marie Cathryn (Univ.)	D.C.
Kerby, John Hardy (Law II) A.B. 1935, The George Washington University	D.C.	Killian, Earl (Univ.)	Mo.
†Kerley, Larry Ernest (Law I) A.B. 1937, Arkansas State College	D.C.	Kilpatrick, Edward Floyd (Law I) A.B. 1934, University of Missouri	Pa.
Kerlin, Bearrice (Univ.)	Pa.	†Kimbball, Clyde Golden (Jun. 12)	Calif.
†Kern, Wells Browning (Jun. 36)	D.C.	†Kimbball, Emmanoe (Jun.)	Utah
Kerns, Josephine Adeline (Col., A.M.) A.B. 1937, The George Washington University	Ga.	Kimbball, Fielding (Law II)	Utah
†Kerr, Andrew Judson (Eng.)	D.C.	Kimbball, Frank Colette (Law II)	S.Dak.
Kerr, David Bruce (Col. 90)	D.C.	Kimbball, Frederick Windsor (Jun. 30)	D.C.
Kerr, Frank Kenneth (P.A.) A.B. 1937, The George Washington University	D.C.	†Kimbball, Helena Melvin (Jun.) Kimbball, Marden David (Jun. 81, Col.)	Ariz.
†Kerr, Kleon Harding (Ed. 86)	Utah	Kimbrough, Carmen (Jun.)	Tenn.
†Kerr, Margaret Beverly (Jun.)	D.C.	†Kimmel, Maurice laVerne (Law II) A.B. 1930, University of Colorado	Colo.
Kerr, Peyton Armstrong (Grad., Ph.D.) B.S. 1925, University of California, Berkeley	Calif.	†Kimard, Lelia Warren (Univ.)	Va.
A.M. 1937, The George Washington University		Kindley, Madge Hayman (Ed., A.M.) A.B. 1917, Western Maryland College	D.C.
Kerrins, Joseph Arthur (Law II)	Va.	Kindstatler, Leo Richard (Jun. 24)	Ohio
Kershaw, Albert Farrow (Eng. 9)	D.C.	Kindt, Millie Edith Isabel (Univ.)	D.C.
Kersten, Lillian Alice (Univ.)	Minn.	King, Claybourne Holt (Law I) A.B. 1936, University of California, Los Angeles	Calif.
†Kessler, Bruce Richards (Univ.) A.B. 1929, American University	D.C.	King, Courtney Clews (Jun.)	D.C.
A.M. 1936, Columbia University		†King, Dudley Timothy (Med. I) A.B. 1925, William Jewell College	D.C.
†Kessler, Julius I (Univ.)	D.C.	D.D.S. 1930, Texas Dental College	Calif.
Kessler, Lloyd Alexander (Univ.)	Md.	King, Edgar Kent (Univ.)	D.C.
†Kessler, Petronella (Univ.)	Ill.	†King, Edgar Ray (Jun. 1)	Ill.
Kessler, Rosslyn (Jun. 15)	Tex.	†King, George Edward (Univ.)	D.C.
Kessner, Louis Joseph (Jun. 20)	N.Y.	King, George Washington (Jun. 16)	Va.
Kested, Mildred (Col., A.M.) A.B. 1934, The George Washington University	N.Y.	King, Herbert Hall (Univ.)	Tex.
†Ketcham, Frank Gordon (Eng. 77)	Mich.	King, Hughes Allison (Law II)	Ohio
Ketterer, Frederick (Law I) B.S. 1933, University of Alabama	Ala.	King, Kathryn Mary (Univ.)	Utah
Kettering, James H. (Col., A.M.) B.S. 1932, The George Washington University	Va.	King, Olin Gibson (Law II)	Ala.
		King, Robert Leonard (Law III)	D.C.
		King, Robert Warren (Eng. 73)	Ill.
		King, Roberta (Jun.)	D.C.
		King, Rollin Patterson (Col. 92)	Pa.
		King, Veris Vaughn (Jun.)	La.
		King, William Earl (Med. III)	
		†King, William O'Connor (Eng. 11)	

†Kinnear, Agnes Inch (Ed., A.M.) A.B. 1923, The George Washington University	D.C.	Knoop, Alice Buell (Jun. 96) Knoop, Victor Hammond (Law III) Knott, William Maury (Jun. 71) Knowlden, Mary Van Ness (Ed., A.M.) B.S. 1916, Wilson Teachers College	D.C. D.C. Nebr. D.C.
Kinney, Charles Gordon (Law II)	N.Mex.	Knox, Robert Ormiston (Jun. 12)	D.C.
†Kinney, Jennie Louise (Univ.)	D.C.	Koch, Gordon Fred (Jun.)	Ill.
†Kinsella, James F. (Jun.)	Va.	†Koch, Roy Deforis (Univ.) B.S. in C.E. 1932, West Virginia University	W.Va.
†Kinsey, Raymond Hugh (Jun. 13)	D.C.	Kocher, Charles Peter (Govt. 87)	D.C.
Kirchoff, Warren Curtis (Law III)	D.C.	Koerber, John (Jun. 9)	D.C.
Kirby, Dulea Yowell (Ed. 78)	D.C.	†Koehl, George Martin (Ed., Ed.D.) A.B. 1931, University of North Carolina	D.C.
†Kirk, Mary Mann Page (Ed., A.M.) A.B. 1926, Elmira College	D.C.	A.M. 1923, The George Washington University	
†Kirk, William Hudson (Jun. 14)	D.C.	Koehler, Arvel Maxwell (Law III) A.B. 1915, The George Washington University	W.Va.
Kirkham, Grant (Law II)	Utah	Kohn, August III (Jun.)	D.C.
Kirkland, Leah Elizabeth (Col. 6036)	Wash.	Kokoski, John Mathew (Eng.)	Pa.
†Kirkley, Alice Elizabeth (Jun. 18)	Tex.	Kolbe, Laverne Evangeline (Grad., Ph.D.)	Ohio
Kirkpatrick, Scott Lucilius (Law I)	Ark.	B.S. 1934, University of Chicago A.M. 1935, Ohio State University	
Kirsch, Dorothy (Col., A.M.)	D.C.	†Kolesnikova, Valentina Jacovlena (Col., A.M.)	D.C.
A.B. 1935, American University		A.B. 1930, State University of Baku, Russia	
†Kirstein, Myron (Law 112)	N.Y.	Kolinski, James Charles (Col. 60)	Wis.
B.S. 1932, College of the City of New York		Kolstad, Leo Stanley (Law II) A.B. 1932, Intermountain Union College	Va.
Kirstein, Sara Jacobson (Jun.)	Nebr.	Komac, Tony Louis (Univ.)	Mont.
Kirstein, Stanley William (Jun. 56)	D.C.	Kondrup, Anne Lovat (Law II)	D.C.
Kassinger, Charles Clark (Med. IV)	D.C.	Koons, Virginia Elizabeth (Jun. 54)	D.C.
†Kistay, Ida Irene (Univ.)	N.Y.	Koontz, Joe L. (Law I)	Colo.
Kitchin, Paul Clifford, Jr. (Jun. 12)	Ohio	Koontz, William (Jun.)	D.C.
Klaasse, James Mason (Eng.)	D.C.	†Koplin, Mildred Ellen (Univ.)	D.C.
Klak, John James (Law III)	Wis.	Korman, Claire (Jun.)	D.C.
B.S. 1921, University of Wisconsin		Kortman, Cecil M. (Eng.)	N.Y.
Klavan, Harry S. (Law I) Ph.B. 1935, University of Vermont and State Agricultural College	D.C.	†Kosh, Miriam (Univ.) A.B. 1925, Brooklyn College	D.C.
†Klee, Dorothy Virginia (Jun. 6)	D.C.	Kossow, Betty (Jun.)	Ill.
Klein, Gerda Minna (Jun. 36)	D.C.	†Kotler, Harry (Univ.)	Utah
Klein, John William (Col. 72)	N.Y.	Kotter, Fred Ralph (Col., A.M.) B.S. 1927, University of Utah	
Klein, Joseph (Jun. 18; Col.)	N.Y.	Kowalevsk, Chester Edward (Eng. 22)	Pa.
Kleinkauf, Charles Edward (Law III)	Pa.	Kozsky, Stephen (Jun. 21)	Pa.
Kleinkauf, John Henry (Jun. 12)	Pa.	Kraft, John Jacob (Eng. 41)	Va.
Kleinman, Abram S. (Col., A.M.)	N.Y.	Kraft, Marie E. (Univ.) B.S. 1935, Virginia State Teachers College, Fredericksburg	
B.S. 1934, Brooklyn College		Kramer, Albert Jack (Law II) B.S.E. 1930, University of Virginia	D.C.
Kleinman, Arthur (Jun. 62, Col.)	N.Y.	Kramer, Bessie (Jun. 15)	D.C.
Kleinman, Henry Maurice (Col. 104)	N.Y.	†Kramer, John Arthur (Eng. 9)	Va.
†Kleinschaber, Howlett Cornelius (Univ.)	D.C.	†Kramer, Vivetta Miller (Univ.)	D.C.
Kletchka, Marguerite Rose (Jun. 30)	Mass.	†Krebill, Raymond (Jun.)	Md.
†Kline, Charlotte Elaine (Jun. 12)	Va.	†Kreger, Leslie Barlow (Jun. 18)	D.C.
Kline, Philip Sherwood (Med. II)	D.C.	Kressley, Clement Daniel Jacob (Univ.)	D.C.
Kline, Ruth Miriam (Jun. 6)	Pa.	Kridelbaugh, Joe W. (Col. 60)	D.C.
†Kline, Will Murdock, Jr. (Law I) A.B. 1933, Bowdoin College	Pa.	Krider, Harrison Shirk (Univ.)	Pa.
Kloth, Gilbert Frank (Law I)	Va.	Krieger, Dorothy Jeanne (Jun. 57; Col.)	D.C.
Kluger, Zelta Wise (Jun. 78)	Del.	*Krimbill, Jack Bearss (Law III)	D.C.
Klund, H. Stewart (Law I) B.Chem.Eng. 1935, Catholic University of America	D.C.	Krist, Fred George (Jun. 40)	N.Y.
†Klyce, Randolph (Law I) B.S. 1935, University of Mississippi	Miss.	Krochmal, Charles (Univ.)	Conn.
Knauf, Albert Linsign (Law I)	Ohio	Krop, Stephen (Jun. 88; Col.)	D.C.
B.S. 1928, A.M. 1929, Western Reserve University		Krucoff, Morris Eugene (Ed., A.M.) B.S. 1937, The George Washington University	
Ph.D. 1923, University of Illinois			
†Knechtel, Paul John (Jun.)	Pa.		
Kniaz, Milford (Jun. 46)	Mass.		
Kniffin, Wayne D. (Jun. 39)	Ohio		
Knight, Charles Louis (Law II) B.S. 1925, M.S. 1926, University of Virginia	Va.		
Ph.D. 1933, University of Pennsylvania			
†Knight, Ernes Milton (Jun. 75)	R.I.		
Knight, Jesse H. (Law III)	Utah		
Knight, William Bernard (Law I) B.S. 1929, University of Virginia	Va.		



Krueger, Louise Manley (Ed., A.M.) A.B. 1912, Bucknell University	Md.	†Landman, Elizabeth Caroline (Ed., A.M.) Va. B.S. 1915, Wilson Teachers College	
Kruger, Gustav Otto (Col., A.M.) B.S. 1918, The George Washington University	D.C.	Landman, Manuel Phillip (Med. I) B.S. 1911, The George Washington University	D.C.
†Krupa, Andrew (Univ.) Krupen, Philip (Col., A.M.) B.S. 1915, Brooklyn College	Ind. N.Y.	Landweber, Louis (Univ.) B.S. 1912, College of the City of New York	N.Y.
Krupsaw, Fulton Hilton (Law I) Kubach, Audrey Miriam (Jun.) Kuchera, Anna Ruth (Univ.)	D.C. D.C. D.C.	A.M. 1916, The George Washington University	
Kuhn, Gail Charles (Jun. 12) Kuhn, Victoria (Univ.)	Nebr. D.C.	†Lane, Betty Anne (Jun. 9) Lane, Edward John Henry (Eng. 89) Lane, Thomas Hamilton (Med. II)	Md. D.C. D.C.
†Kukoski, Leonard K. (Jun.) Kullman, Paul Stephen (Univ.) B.S. 1916, Catholic University of America	Ohio D.C. Mich. Md.	A.B. 1916, Dartmouth College Lane, Thomas Percy (Law II) B.S. 1915, Wake Forest College Lane, Walter Harvey, Jr. (Law III) A.B. 1915, Hendrix College Lang, Lewis Raymond (Med. I)	N.C. Ark. Ga.
†Kunna, Frances Rita (Jun. 33) Kunsak, Stephen W. (Jun. 57) Kuntz, Mary Louise (Univ.)	D.C. Pa. D.C.	B.S. 1914, University of Georgia †Lanedale, Marguerite (Law I) A.B. 1911, Georgia State Women's College	Ga. Ga.
Koppers, Robert Harlow (Jun. 76½) Kurstin, William (Jun.) Kurtz, Harold James (Jun. 106; Col.) Kur, Charles Godfrey (Eng. 78) Kushman, Leaton John (Jun. 24) Kyne, William B. (Eng. 44)	Fla. D.C. D.C. D.C. D.C. Wyo.	Langdon, Royce LaVerne (Govt. 62) †Langhoff, Charlotte Helen (Jun. 42) Langslow, Gertrude Vivian (Univ.) Langston, Joseph C., Jr. (Jun.) Langtry, John Charles (Jun. 32) †Langtry, Wilbur Wilson, Jr. (Col. 60) LL.B. 1917, The George Washington University	Mo. Va. La. D.C. D.C.
<b>L</b>			
†LaBarre, Cosgrove Charles (Univ.) A.B. 1916, University of Oregon	Oreg.	†Lanier, Powless William, Jr. (Law II) Lankenau, Richard Frederick (Jun. 52)	N.Dak. D.C.
LaBelle, John Dernier (Law I) A.B. 1917, Colgate University	Vt.	†Lanning, Gladys Mae (Jun.) Lansing, Albert Ingram (Col., A.M.) A.B. 1917, University of Pennsylvania	Ind. N.J.
LaCombe, Louise Antoinette (Col. 108) LaCombe, Rita Michael (Jun.) LaCoste, Jack Kelty (Eng. 59) LaCross, Paul John (Law I) A.B. 1913, University of Vermont and State Agricultural College	Mich. D.C. D.C. Vt.	Lansing, Sidney Malcolm (Col. 64) Lansky, Reuben (Col. 100½, A.M.) A.B. 1918, The George Washington University	N.J. D.C.
†Lacy, Esther Edgerton (Jun. 42) Ladimer, Irving (Law I) A.B. 1915, College of the City of New York	D.C. N.Y.	Lapi, Marie Sireci (Univ.) Lapish, Catherine (Jun. 31) †Large, Thelma A. (Univ.) Larson, Oliver Kugler (Jun. 65) †Larremore, Amy Hopkins (Univ.) Mus.B. 1915, University of Kansas	N.Y. D.C. D.C. Conn.
Lady, William Thurston (Med. IV) †Lafayette, Norman W. (Univ.) †LaFetra, Margaret Noyes (Univ.) A.B. 1920, Mount Holyoke College	D.C. D.C. D.C.	Larrick, Elizabeth Ann (Univ.; Ed., A.M.) B.S. 1912, Virginia State Teachers College, Harrisonburg	D.C.
†Lagerson, Floyd Emanuel (Univ.) Lagos, Gladys (Univ.) Lahna, Adolph A. (Eng. 26) Lahr, Mary (Jun. 24) Laird, Jeff R. (Law I) A.B. 1913, Oklahoma East Central State Teachers College	Maine D.C. Ohio Pa. Okla.	Larsen, Floy Marie (Univ.) Larsgaard, Clara Helen (Jun. 99; Col.) Larson, Cedric Arthur (Ed., A.M.) A.B. 1914, Stanford University Larson, Elisabeth Alexander (Ed., A.M.) A.B. 1911, Wellesley College †Larson, J. Stanford (Law I) B.S. 1914, M.S. 1916, Utah State Agricultural College	D.C. Ill. Utah
†Lake, George (Univ.) Lake, Violet Ildegarde (Jun. 66) Lamb, Jessie Cleo (Jun. 56) †Lamb, Rose Lee (Jun. 18) Lambert, John Ross (Law I) A.B. 1911, University of Tennessee	D.C. Wash. Tenn. Ala. Tenn.	Larson, Thurman August (Med. II) B.S. 1914, Bowdoin College †Larson, Vanner Timothy (Univ.) A.B. 1913, A.M. 1915, The George Washington University LaSalle, Joseph Charles (Jun. 33)	Oreg. N.Dak. Oreg.
Lambert, Wayne C. (Eng. 70) Lammi, Lewis Jacob (Eng. 114) Lammons, Thomas M. (Jun.) Lamoureux, Evelyn Margaret (Jun. 48) Lamson, Harry Henderson (Univ.) †Lamson, Robert W. (Univ. & Law I) B.S. 1917, State University of Iowa Lancaster, Robert Mann (Jun. 35) †Landacre, Arthur Stanley (Law II) A.B. 1920, Davis and Elkins College	Iowa D.C. Miss. Wis. D.C. D.C. Md. N.J.		D.C.

Lasater, James Harvey, Jr. (Med III)	Wash.	Lee, Lillian Fogg (Ed., A.M.)	Mich.
B.S. 1934, University of Washington		A.B. 1937, The George Washington University	
Lasater, Omega Charles (Law I)	Okla.	Lee, Mary Patrick (Jun. 6)	Ky.
A.B. 1935, University of Tulsa		Lee, Mary Virginia (Law I)	Ill.
Lassly, Annie Willy, (Ed., A.M.)	D.C.	A.B. 1929, A.M. 1932, The George Washington University	
A.B. 1935, The George Washington University		Lee, Robert Edward (Col. 88)	D.C.
Lathrop, Don M. (Law II)	Kans.	†Lee, Robert Henry (Univ.)	Va.
†Lathrop, Richard Boyner (Jun.)	D.C.	B.S. 1912, U. S. Military Academy	
Lathrop, Robert Park (Eng. 64)	D.C.	Lee, Virginia Welch (Col. 81; Law I)	W.Va.
Latimer, John W. (Med II)	Md.	†Lee, William Andrew (Law I)	N.H.
Latimer, Marjorie Nelson (Col., A.M.)	Tex.	A.B. 1936, Dartmouth College	
A.B. 1937, The George Washington University		Leece, William Alfred (Jun. 30)	Conn.
Latshaw, Mary Lewers (Ed., A.M.)	Mo.	Leecraft, Donald Stowe (Law III)	Okla.
A.B. 1925, University of Missouri		A.B. 1934, Oklahoma Southeastern State Teachers College	
Lattimore, Jack Edwin (Jun.)	D.C.	Leeper, Donald Harper (Med. IV)	N.C.
Lauder, Dorothy Marie (Col., A.M.)	D.C.	B.S. 1932, Davidson College	
A.B. 1934, The George Washington University		†Leeper, Mary Esther (Ed. 113)	N.C.
†Lauder, Ruth (Univ.)	Wis.	†Leeper, Robert R. (Col., A.M.)	D.C.
A.B. 1935, University of Wisconsin		A.B. 1934, University of North Carolina	
Lavender, Margaret Ellen (Jun. 27)	D.C.	†LeFevre, Nelda Louise (Jun. 3)	Va.
Lavender, Thomas F. (Univ.)	Ind.	Lefferts, Henry Howard (Jun. 24)	Va.
†Lavin, Arthur George (Jun.)	Utah	Lefferts, Horace Leedom (Eng. 08)	Va.
Layne, Isidor Morris (Med I)	Md.	Leffler, William Franklin (Jun. 45)	D.C.
L.L.B. 1925, L.L.M. 1927, The George Washington University		Legg, Evelyn Wildasin (Col. 112)	Va.
Lavine, Stanley (Jun. 30)	D.C.	Lehman, Anne Jane (Jun. 54)	Conn.
Law, Charles Edward (Med III)	D.C.	Lehman, Walter Sherwood (Law I)	D.C.
Law, Melvin James (Law III)	Utah	B.S. in C.E. 1935, The George Washington University	
†Lawless, Van Ness (Univ.)	N.Y.	Lehnert, Phyllis (Jun. 93)	Mich.
†Lawrence, Helen Bennett (Ed., A.M.)	Va.	Lehrman, Ivy Sara (Univ.)	Pa.
B.S. 1934, The George Washington University		Leibovitz, Arthur M. (Jun. 39)	Ill.
Lawrence, Patricia Jeanne (Jun.)	D.C.	Leibowitz, Reuben (Law II)	N.Y.
Lawrie, Clementena Newbold (Jun. 90; Govt.)	Oreg.	Ch.E. 1934, B.S. 1935, College of the City of New York	
Lawson, Hanna (Jun. 18)	Md.	†Leimer, Kenneth Nelson (Law I)	D.C.
Lawson, Marvin R. (Jun.)	D.C.	B.S. in C.E. 1934, Drexel Institute of Technology	
Lawton, William Carter (Jun. 30)	N.C.	†Leiter, Joseph (Col., A.M.)	N.Y.
Layton, Cleo Franklin (Jun. 12)	Pa.	B.S. 1934, Brooklyn College	
Layton, Philip Raymond (Law, L.L.M.)	Colo.	Lembeck, Arthur Charles (Ed. 94½)	D.C.
A.B. 1930, L.L.B. 1932, The George Washington University		†Lemke, Benjamin Henry (Eng.)	D.C.
M.B.A. 1935, Harvard University		Lemke, Richard Walter (Col. 96)	Mont.
Lazaroff, Louis (Jun. 80; Col.)	D.C.	Lemke, Robert M. (Law I)	N.Dak.
Leach, Bessie Edna (Ed. 78)	Ala.	†Lemmon, Mary Juliet (Univ.)	D.C.
Leach, Donald Byron (Govt. 111½)	Ohio	†Lendenmann, Ernest C. (Eng., Uncl.)	D.C.
†Leach, Elizabeth Ida (Univ.)	Wash.	B.S. 1934, The George Washington University	
League, Margery Temple (Univ.)	D.C.	Lenhoff, Charles David (Med. IV)	Mass.
Leane, Helen Drew (Col. 97)	D.C.	A.B. 1935, The George Washington University	
Leaphart, Mary Rodas (Ed. 92½)	Mont.	Lennahan, Charles Michael (Col., A.M.)	N.Dak.
†Leur, Forestus Reid, Jr. (Jun. 3)	Ky.	A.B. 1935, The George Washington University	
Leur, James Coats (Law I)	Tenn.	†Lentz, John Ryder (Eng. 6)	D.C.
A.B. 1936, University of the South		†Leffler, Severine Gesage, Jr. (Univ.)	D.C.
Learmouth, Robert Edward (Jun. 30)	Wis.	Leonard, Frederic Buchanan (Univ.)	D.C.
Leary, Theodore Moreau (Med. II)	Mass.	Leonard, Paul Byron (Law I)	Ind.
B.S. 1935, Massachusetts State College		A.B. 1929, Franklin College of Indiana	
Leavitt, Ruth Margaret (Jun. 60; Col.)	D.C.	Lepper, Mark Hummer (Med I)	Md.
Leckraw, John Eastman (Eng. 73)	D.C.	†Lerner, Abraham Max (Law, Uncl.)	D.C.
Leder, Melvin (Jun. 9)	D.C.	B.S. 1931, University of Pennsylvania	
Lee, Francis (Law II)	Idaho	L.L.B. 1936, The George Washington University	
Lee, Frank Miles (Law III)	Mo.	Letner, Eugene Morris (Jun. 22)	D.C.
†Lee, Hoburg Boteler (Eng. 118)	D.C.		
B.S. in E.E. 1936, The George Washington University			
Lee, Joseph Fitzhugh (Col. 132)	D.C.		
Lee, Kung-Yuan Sidney (Col., A.M.)	China		
A.B. 1936, Yenching University, China			

Lester, Creed Jopling (Law II)	Ohio	†Lilienfeld, Werner Max (Jun. 25)	D.C.
Ph.B. 1931, Kenyon College		†Lilliston, John Bacon (Law I)	Va.
†Letvin, Lillian Rivelai (Jun. 9)	D.C.	B.S. 1935, Randolph-Macon College	
Leusenkamp, Harry Adrian (Eng.)	D.C.	A.B. 1934, Duke University	D.C.
†Levathas, Louis (Jun.)	D.C.	†Lilley, Donald Hurley (Law I)	
Leventhal, Morris (Univ.)	N.Y.	A.B. 1934, The George Washington University	Brazil
Leventhal, Sydney (Med. IV)	D.C.	†Lima, Sylvia deQueiroz (Univ.)	Nebr.
Lever, Roy (Jun. 81)	N.J.	Lincoln, Evelyn Maurine Norton	
Levering, Robert Woodrow (Law I)	Ohio	(Law II)	
A.B. 1936, Denison University		A.B. 1926, University of Nebraska	D.C.
†Levin, Henry Max (Jun. 48)	D.C.	Lincoln, Harold Wayne (Law III)	
Levin, Stanley (Jun.)	D.C.	A.B. 1936, The George Washington University	D.C.
Levine, Aaron Arthur (Law I)	Conn.	†Lindeman, John B. (Col. 8435)	D.C.
A.B. 1937, Connecticut State College		†Lindner, Dorothy Evelyn (Univ.)	D.C.
Levine, Benjamin (Jun. 47)	N.J.	A.B. 1937, University of Maryland	Pa.
Levine, Bernard (Jun. 12)	D.C.	Lindner, Mildred Belle (L.S., Uncl.)	
Levine, Boris (Univ.)	N.Y.	A.B. 1932, Wittenberg College	Ill.
B.M.E. 1934, Polytechnic Institute of Brooklyn		Linds, Salma E. Mahoff (Jun. 24)	Mich.
†Levine, Harry (Law I)	N.Y.	Lindsay, John Wesley (Govt., A.M.)	
B.B.A. 1933, College of the City of New York		A.B. 1931, Wayne University	D.C.
Levine, Jack Louis (Med. IV)	D.C.	Lindsay, Frank Gold (Med. II)	D.C.
Levine, Joseph (Col., A.M.)	D.C.	†Lindsay, Herbert Francis (Univ.)	S.Dak.
B.S. 1933, Rensselaer Polytechnic Institute		Lindseth, Harold Kenneth (Jun. 73)	Mo.
Levine, Sidney (Med. I)		Lindsey, Fred D. (Univ., Col., A.M.)	
A.B. 1937, University of North Carolina	Mass.	A.B. 1933, B.S. in Ed. 1935, Mississippi State Teachers College, Northwest	Ark.
Levins, Walter E. (Govt., A.M.)	Mo.	Lindsey, Loraine Farris (Ed. 88)	
A.B. 1937, University of Missouri		Linebarger, Wayne Wentworth (Univ.; Jun. 23)	D.C.
†Levy, Harold Allen (Col. 114)	W.Va.	Linehan, Robert W. (Jun. 46)	N.Y.
Levy, Virginia Louise (Jun.)	D.C.	Linsamelter, Charles Brown (Jun.)	D.C.
Lewey, Mabel L. (Jun.)	Va.	Link, J. Harold (Eng. 92)	Md.
Lewis, Dorothy Agnes (Jun.)	Mo.	†Link, Jeannette Leonard (Jun.)	Pa.
Lewis, Elizabeth Stanton (Univ.)	Md.	†Link, Robert O. (Jun. 48)	Va.
A.B. 1937, The George Washington University		†Lintner, John Ross, Jr. (Jun. 57)	D.C.
†Lewis, Harvey Sweetland (Univ.)	Md.	Linton, Theodore More (Jun. 101)	
Lewis, Herbert B. (Law I)	D.C.	Lippas, Sister Maria Eleonora	D.C.
†Lewis, James Hasted (Govt., A.M.)	Pa.	(Med. IV)	
A.B. 1935, The George Washington University		†Lippatt, Minnie Henderson (Univ.)	D.C.
Lewis, John Douglas (Jun.)	Mont.	B.S. 1922, University of Wisconsin	
†Lewis, Leon (Univ.)	N.Y.	A.M. 1929, Columbia University	W.Va.
B.S. 1936, College of the City of New York		†Lippitt, Thomas Perry (Jun. 6)	N.Y.
Lewis, Melvin Earl (Jun. 51; Govt.)	D.C.	†Lippman, Charles (Jun. 7)	Md.
†Lewis, Morris Sigurd (Univ.)	Wis.	Lipscomb, Andrew Adgate (Law III)	D.C.
A.B. 1935, Milton College		Lipscomb, Lisle Thornton (Jun. 24)	N.Y.
Lewis, Murrell R. Ford (Col., A.M.)	N.J.	†Lipscomb, Sarah Angela (Univ.)	
A.B. 1936, The George Washington University		Lipscomb, Frances (Law I)	D.C.
Lewis, Paul Joseph (Univ.)	Mass.	A.B. 1933, Hunter College	lowa
Lewis, Thomas Ward (Col., A.M.)	Pa.	Lipske, Marjorie Sybil (Jun. 30)	D.C.
B.S. 1929, Lehigh University		Lochner, Margaret B. (Univ.)	D.C.
Lewis, William Jr. (Med. I)	D.C.	†Loftman, Murray Robert (Jun.)	D.C.
Lewter, John Crichton (Univ.)	Va.	Lofortz, Raymond (Jun.)	
A.B. 1924, The George Washington University		†Lofortz, Sylvia (Col., A.M.)	
Lichtenstein, Joseph Melville	Fla.	A.B. 1927, The George Washington University	Ill.
(Law I, Col., A.M.)		†Little, Thomas Vest (Jun.)	Okl.
A.B. 1937, Rollins College		†Linton, Gaston L. (Univ.)	
Lichtenstein, Emma Gertrude (Jun. 31)	D.C.	A.B. 1934, University of Oklahoma	D.C.
Liddle, Umar (Grad., Ph.D.)	Conn.	†Lise, Helen Elizabeth (Univ.)	D.C.
A.B. 1926, Central College, Missouri		†Livingston, Dorcas Cole (Univ.)	
†Lieberman, Leonard Harold (Univ.)	D.C.	B.S. 1936, Wilson Teachers College	D.C.
Liebowitz, Joel Robert (Jun.)	D.C.	†Livingston, Dorothy Fairfax (Univ.)	Tenn.
Lien, Marie Kate (Jun. 11)	Minn.	Liverson, Eleanor (Jun. 107)	Tenn.
†Licht, James Watson (Jun. 3045)	Ga.	Livingston, Mary Jane (Jun. 86; Col.)	N.C.
Liles, Edward Breeden (Law III)	S.C.	†Llewellyn, John Manning Wyatt (Jun.)	D.C.
A.B. 1932, Wofford College		†Lloyd, Andrew Calden (Jun.)	D.C.
		†Lloyd, Catherine Woodward (Jun.)	Utah
		Lloyd, Max George (Law II)	



Lloyd, Ralph Spurr (Univ.) B.S. 1912, D.D.S. 1912, Western Reserve University	Va.	Lowry, Royce Llewellyn (Jun.) Lucas, Bertha Lovell (Ed., A.M.) A.B. 1921, The George Washington University	Wash. D.C.
Lloyd, Sherman P. (Law II) A.B. 1915, Utah State Agricultural College	Idaho	†Lucas, Charles William (Jun. 10) Lucas, Graham Joseph (Govt. 96) Lucas, Mildred Foster (Jun.) Lucas, Peyton R. (Eng.)	Va. N.Y. Va. Va.
Llufrio, Albert Vincent (Col. 78) Lockard, William Abram (Univ.) Lockwood, Irene Walsh (Univ.)	D.C. Va. Va.	†Luck, Paul Fontaine (Eng.) Lucker, John Thomas (Col., A.M.) B.S. 1922, University of Washington	Oreg. D.C.
†Lockwood, Richard Henry (Univ.) Loeb, Janice (Univ.) A.B. 1927, The George Washington University	Idaho D.C.	Luckett, Horace Peyton (Law II) A.B. 1916, Franklin and Marshall College	D.C.
†Loeffer, Orville Hugo (Col., A.M.) A.B. 1916, The George Washington University	Mo.	†Lucon, Charles Wilson (Jun. 24) Ludwig, Catherine Doris (Jun. 15) Ludwig, Elvora M. (Univ.)	N.J. D.C. D.C.
Loftus, Joseph Philip (Law I) A.B. 1925, St. Mary's College, St. Mary's, Kansas	D.C.	†Ludwig, Kathryn Louise (Jun. 81) Lumpkin, George Frederick (Jun. 18) Lumpkin, Herbert Gale (Eng.) Lunsden, Florence M. (Ed., Ed.D.) A.B. 1920, A.M. 1920, Cornell University	Ohio D.C. D.C. Md.
Logan, Barbara Jacqueline (Med. IV) Lohmes, George Mansford (Eng. 87) Lohr, Elva Gladding (Jun. 45) Loker, James J. (Govt., A.M.) Ed.B. 1911, Wisconsin State Teachers College, Oshkosh A.B. 1912, Carroll College, Wisconsin	Mass. D.C. D.C. Wis.	Lund, Roland James (Univ.) B.S. 1922, University of Illinois	D.C.
Long, Florence Adelaide (Jun. 63; Col.) Long, John Aloysius (Jun. 81, Col.) Longfellow, Henry Wadsworth (Jun. 30) †Loomis, Valerie Frances (Univ.) Lopes, Charles John (Govt., A.M.; Col., A.M.)	Va. D.C. Wis. D.C.	†Lundy, Bruner Elred (Eng. 13) Lopez, Anne (Jun. 27) †Luten, Ralph William (Univ.) †Luther, Anna Frieda (Jun.) Lyden, Cyril Patrick (Univ.) Lydon, Thomas Patrick (Univ.) Lyman, Joseph Jacob (Law II) A.B. 1915, Brown University	Va. D.C. Tenn. Mo. Pa. Pa. D.C.
B.B.A. 1932, Ohio State University †Lord, Samuel Edward, Jr. (Eng., Uncl.) B.F.E. 1928, Northeastern University	Mass.	Lyman, Josiah (Govt., A.M.) A.B. 1914, I.L.B. 1914, The George Washington University	D.C.
Lorenz, Frederick Sheets (Med. I) A.B. 1914, Pomona College Lotenzetti, Ma Lucille (Jun. 9) Loring, Albert Warner (Jun. 60) †Loring, Theodore William (Univ.) Lorison, Virgil Alfred (Med. I) Lorwin, Madge Grossman (Col. 112½) Lothrop, Rex Elias (Grad., Ph.D.) B.E. 1920, Tulane University M.S. 1928, University of Washington	D.C. D.C. D.C. N.J. Pa. D.C. Va.	Lyons, Lyman David (Univ.) Lynn, Marjorie Elisabeth (L.S., Uncl.) A.B. 1927, University of Illinois Lynn, Wallace Parsons (F.A. 152) Lyon, Merle Paul (Law, LL.M.) A.B. 1915, Oberlin College J.D. 1921, University of Chicago †Lyon, Ernest Louis (Ed., A.M.) B.S. 1917, Wilson Teachers College Lyons, Jake Gee (Law II) A.B. 1922, University of Oklahoma	Wash. Ohio D.C. Ill. D.C. D.C. Okla. Pa.
Lytle, Margery Almira (Col. 96)			
M			
†Mabry, Kathryn Louise (Jun. 51) Macatee, George, Jr. (Med. III) †Macdonald, Colin Farquhar, Jr. (Eng. 1913)			N. Mex. Ala. Tex.
†MacDonald, Curtis Upton (Law I) Macdonald, Elizabeth C. (Ed., A.M.) B.S. 1921, University of Wisconsin MacDonald, Fred. Law III) A.B. 1910, Arkansas College †MacDonald, Guy Thornton (Jun. 90) MacDuff, Russell U. (Law I) B.S. 1915, Wilson Teachers College			Va. Md. Ark. D.C. Md.
†Mace, Charles Hoyt (Jun. 44) Mace, Howard Perry (Jun. 39) †Mack, Bernard (Jun. 15) Macken, Theo. (Jun.) Macalla, James Louis (Phar. 84) Mack, James E. (Univ.) Mack, Louise Jeanette (Law I) A.B. 1913, Vassar College MacKenzie, Alan Roderick Seaforth (Jun. 54)	Va. D.C.		Ohio Ohio N.Y. Md. D.C. D.C. D.C. Ohio

Mackert, Charles LeRoy (Ed., Ed.D.) B.S. 1921, A.M. 1924, University of Maryland	Md.	Malone, Frank Allison (Law I) A.B. 1917, Municipal University of Wichita	Kans.
†Mackey, Lulu Elizabeth (Jun.)	D.C.	Maltz, Anita Ruth (Jun.)	D.C.
†Mackey, George McLaurine (Ed., A.M.) B.S. 1918, Wilson Teachers College	D.C.	Maltz, Lillian Sondra (Ed., A.M.) A.B. 1917, The George Washington University	N.J.
†Mackey, Mark Joseph (Univ.) A.B. 1912, Dartmouth College	Mass.	Mamlet, Howard Leroy (Jun. 32)	N.J.
M.B.A. 1914, Harvard University		Manch, Martin George III (Jun. 6)	Va.
†Mackinnon, George Rodrick (Univ.)	D.C.	Mandel, Benjamin (Col., A.M.) B.S. 1914, College of the City of New York	N.Y.
†Mackinnon, Gordon A. (Jun. 45)	Vt.	Mangold, Robert John (Jun.)	N.Y.
Mackie, James Wilson (Law I)	Ala.	Mannon, Merrill Miles (Govt. 82)	Ind.
MacKlin, Jean Caldwell (L.S. 81)	D.C.	Mason, Betty (Jun.)	Mont.
†MacLeod, Edwin Markheim (Univ.)	D.C.	†Mason, Beverly Margaret (Col. 60)	Va.
MacMillan, Ruth Edna (Col. 62)	D.C.	Mason, Charles Wayne (Jun. 11)	Okla.
MacNeil, Wandford Agnes (Ed., A.M.) A.B. 1916, Catholic University of America	D.C.	Mason, Frank Eugene (Jun. 13)	D.C.
MacNichol, Layton F. (Jun. 41)	Pa.	Mason, Horace Dewey (Univ.)	Ga.
MacPherson, Archibald Rreh (Jun. 55)	Va.	Mason, Howard Quincy (Jun.)	D.C.
Macdon, Margaret Elizabeth (Jun. 19)	D.C.	Mason, Jane (Jun.)	Va.
Madden, Maxon Lewis (Jun. 60)	N.Y.	Manning, Marian Draper (Col. 103)	D.C.
†Madden, Paul Joseph (Univ.) I.I.B. 1928, Fordham University		Manning, Martha Ellen (Ed. 100)	Aris.
†Maddux, Sterling Rollin (Univ.)	Md.	Manning, Wilkins R. (Med. IV) B.S. 1932, University of Arizona	Okla.
†Madden, Edward Rock (Univ.)	Md.	Manschreck, Clyde Leonard (Jun. 27)	D.C.
Madison, Kenneth Menelec (Col., A.M.)	Minn.	†Manthos, James Nickolas (Univ.)	
A.B. 1917, The George Washington University		†Maphis, Frederick DeWitt (Univ.; Col. 100)	Va.
†Magee, William d'Arcy (Col. 101)	D.C.	*Marapao, Simeon P. (Govt. 108)	D.C.
I.L.B. 1926, Georgetown University		Marbut, Frederick Browning (Col. 117)	Va.
Maggiore, Joseph J. (Univ.)	Md.	Marchant, Don Alvin (Univ.)	Md.
Magill, Herbert (Law II)	Pa.	Marche, Esther Marie (L.S. 107)	Md.
B.S. in Ch. Eng. 1925, University of Pennsylvania		Marcoux, Roger W. (Univ.)	D.C.
Magill, Charles Herbert (Law III)	D.C.	†Marcum, Carlos Philip (Col., A.M.) A.B. 1917, The George Washington University	
Magill, Gwendolyn (Ed., A.M.) B.S. 1916, Wilson Teachers College	D.C.	†Marcusen, Elise Ingeborg (Univ.)	D.C.
†Maginsky, Florence Mary (Col. 100/54)	Ind.	Marcus, Gwendolyn Gay (Col. 62/5)	Mont.
†Magney, Wilma Eleanor (Univ.)	Minn.	Margold, Gertrude Wiener (Univ.)	N.Y.
Magruder, Marion Virginia (Ed., Ed.D.) A.B. 1921, Randolph-Macon Wom- an's College	Va.	Marston, John Alexander (Law III) A.B. 1914, University of South Carolina	S.C.
A.M. 1918, The George Washington University		†Maris, Helen Barbara (Univ.)	Md.
Mahan, Bruce (Ed. 125/4, A.M.) B.S. 1918, The George Washington University	Oreg.	†Markley, George Harlin (Univ.)	D.C.
Maier, Daniel McKay (Eng.)	Va.	Marks, Erwin (Jun. 60)	D.C.
Maier, Philip Joseph (Govt. 88)	Pa.	Marks, Lester (Jun. 29)	N.C.
Maier, Robert Campbell, Jr. (Med. III)	Pa.	†Marks, Theresa (Univ.)	N.Y.
Maier, Robert W. Druff (Med. II)	D.C.	†Marlatt, Carl S. (Eng., Uncl.) A.B. 1912, The George Washington University	Va.
Madison, Frances (Univ.)	Ind.	†Marmaduke, Hazel Dyer (Ed., A.M.) A.B. 1912, The George Washington University	D.C.
A.B. 1920, DePauw University		†Marmer, Kalmon E. (Univ.)	N.Y.
Magahan, Helen Genevieve (Jun. 58)	D.C.	Maroney, William Hannay (Law II) B.S. 1924, Dartmouth College	D.C.
Maguire, Hugh Francis (Med. I)	Mass.	†Marquardt, Lydia L. (Univ.)	Md.
Ph.B. 1927, Boston College		†Marr, William Henderson (Jun.)	Ill.
Maguel, Loretta Elizabeth (Jun.)	Md.	†Marren, Veronica Mary (Univ.) Ph.B. 1931, De Paul University	Pa.
†Maguire, Selma Frances (Jun. 27)	D.C.	Marron, Eleanor Louise (Col. 66)	Ky.
Maguire, Lucy Locke (Col. 61)	Mass.	Marra, Rhoda Jane (Univ.)	D.C.
Maguire, Mary Catherine (Univ.; Col. 60)	Miss.	†Marsh, Richard Wade (Univ.)	Va.
Milchiff, Norman H. (Eng. 79)	Ohio	*Marsh, Samuel Woodward (Govt. 123)	Ohio
Maguire, Martin (Univ.)	N.Y.	†Marshall, Bernard Harry (Eng. 24)	D.C.
†Mages, Sarah (Univ.)		†Marshall, Charles E. A. (Univ.) A.B. 1929, University of Virginia	D.C.
A.B. 1911, Hunter College		Marshall, Emma Blanche (Ed. 119)	D.C.
Mallery, Bruce Willis (Jun.)	Mass.	†Marshall, Jane D. (Univ.)	D.C.
Malotti, Robert Bruce (Med. IV)	N.Y.	Marshall, Jane Winifred (Jun. 12)	D.C.
Mallos, Alexander James (Col. 7)	D.C.	Marshall, John T. (Ed. 81)	Va.
†Mallos, Mary (L.S.)	D.C.	Marshall, Nor Eickard (Jun. 58)	D.C.
Mallos, Samuel (Eng.)	D.C.	†Marshall, Woodrow Wilson (Jun.)	

†Marshino, Ora Lee (Law, Und.) A.B. 1925, A.M. 1932, I.D. 1937, The George Washington University	Ky.	Matter, John Marchion (Law II) B.S. 1915, New Mexico School of Miner.	Mont.
†Marshman, Esther Weaver (Col. 62)	N.Y.	Mattern, Hildegard Caroline (Jun. 9)	Wis.
†Martel, Gonzalo Sarabia (Jun. 66)	D.C.	†Mattern, Stanley Grayder (Med. I)	D.C.
†Martell, Helen Marie (Law II)	D.C.	†Masterson, Frederick Lewis (Univ.)	Ind.
†Martin, Agnes Mary (Univ.)	Ark.	B.S. in C.E. 1925, Rose Polytechnic Institute	
†Martin, Albert Rutledge (Jun. 92½; Col.)	S.C.	L.L.B. 1934, The George Washington University	
†Martin, Alexander Campbell (Grad., Ph.D.)	D.C.	Matthews, Annie Marguerite (L.S., Und.)	D.C.
A.B. 1920, Oberlin College		Matthews, Denbigh Schaefer (Jun. 35)	Va.
M.S. 1924, North Carolina State College		Matthews, Dorothy Olivia (Univ.)	N.Y.
†Martin, Frances Hisbee (Col. 62)	D.C.	Matthews, Lawrence John (Eng., Und.)	D.C.
†Martin, Hugh Jack (Law II)	Ga.	Matthews, William Edwark (Jun. 27)	D.C.
Graduate 1924, U.S. Naval Academy		†Matson, William Gustav (Govt., A.M.)	Oreg.
†Martin, James Lund (Univ.)	Ark.	B.S. 1934, University of California, Berkeley	
†Martin, John Chilton (Univ.)	D.C.	†Matsum, Paul John (Univ.)	D.C.
†Martin, John H. (I.S. 66)	D.C.	Maupin, Armistead Jones (Law II)	N.C.
†Martin, Joseph Vincent (Govt. 60)	N.Y.	A.B. 1926, University of North Carolina	
†Martin, M. Lucile (Ed. 115)	Ill.	Maurer, Clarence Richard (Jun. 15)	D.C.
†Martin, Michelle E. (Univ.)	Va.	†Mauritz, Frank Edward (Law I)	D.C.
A.B. 1913, A.M. 1914, University of California, Berkeley		B. Eng. 1913, D. Eng. 1937, Johns Hopkins University	
†Martin, Mary Douglas (Law I)	Ark.	Maxon, Mary (Col. 90)	D.C.
†Martin, Mildred Line (Jun. 41)	Va.	Maxwell, Laurel H. (Univ.)	Mich.
†Martin, Miller Lee (Jun. 12)	La.	Maxwell, Mary Elizabeth Yale (Jun. 1)	D.C.
†Martin, Paul Simon (Law I)	N.Y.	†Max, John Booker III (Univ.)	D.C.
B.S. in Eng. 1935, F.E. 1936, College of the City of New York		†Max, Leonard Souffle (Univ.)	D.C.
†Martin, Raymond Earl (Law I)	N.Y.	†May, Leonard Souffle (Univ.)	D.C.
A.B. 1931, M.E. 1933, Cornell University		A.B. 1927, Amherst College	
†Martin, Warren Newton (Jun. 51)	S.C.	May, Louise Frances (Jun. 92)	Va.
†Martinez, Ruth Phillips (Univ.)	Md.	May, Louise Frances (Jun. 92)	D.C.
A.B. 1923, A.M. 1925, The George Washington University		†Maycock, John Dennis (Jun. 72)	Ill.
†Martino, Patrick V. (Univ.)	W.Va.	Mayer, Mary Margaret (Univ.)	D.C.
†Masincup, Minerva Susan (Univ.)	Pa.	†Mayers, Fortie Leighton (Univ.)	
A.B. 1915, Juniata College		Mayers, Herbert William Drayton (Jun. 21)	D.C.
†Mason, Alvin Hughlett (Univ.)	Va.	Mayfield, Patricia (Jun. 6)	D.C.
B.S. in C.E. 1929, University of South Carolina		†Mayhall, Edwin Joe (Jun. 45)	Ind.
M.S. 1931, University of Pennsylv- vania		McAdams, Eugene Pope (Jun. 74)	D.C.
†Mason, Dandridge Kennedy (Jun. 10)	D.C.	McAdams, John Penn (Jun. 2)	Md.
†Mason, Edith Eleanor (Jun. 9)	Pa.	McAtee, George Deaton (Med. I)	Ind.
†Mason, Harold Emory (Govt., A.M.)	Mo.	B.S. 1917, University of Virginia	
A.B. 1923, L.L.B. 1930, University of Missouri		†McAlister, Frank D. (Col., A.M.)	Ark.
†Mason, John Clarke (Law II)	N.C.	A.B. 1932, The George Washington University	
†Mason, Joseph Marshall (Col. 75)	Md.	McAllister, Gerald James (Jun.)	D.C.
†Mason, Lewis Edward (Univ.)	N.J.	†McArdle, Francis Edward (Univ.)	D.C.
†Massene, William Gariner (Eng. 14)	N.Y.	†McAtee, Worland Peter (Law II)	N.Mex.
†Massey, Dorothy Jane (Jun.)	Tex.	B.B.A. 1932, University of New Mexico	
†Massey, Jerry Isabel (Jun. 58)	Md.	McBeale, David C. (Univ.)	Tex.
†Masterson, John E. (Eng., Und.)	Mont.	†McBride, Joseph Vincent (Law I)	D.C.
†Masterson, Mary Elizabeth (Ed. 75)	Ind.	B.S. in M.E. 1933, New York University	
†Matchett, Madeline Marie (Ed. 62½; Col.)	D.C.	McBurney, Mary Marshall (Col. 113)	Md.
†Mates, Joaquin Tabucanon (Univ.)	D.C.	McCabe, Albert Philip (Univ.)	D.C.
†Mathers, Lloyd Caldwell (Law I)	D.C.	McCabe, William Ward (Col. 88 & Law I)	Ky.
A.B. 1927, University of Denver		McCahan, Robert Laughlin (Jun.)	Pa.
†Mathewson, Thelma Frances (Univ.)	Ky.	McCann, William Edwin, Jr. (Jun.)	D.C.
†Mathuck, Meyer (Univ.)	N.Y.	†McCall, Randolph Russell (Eng.)	D.C.
†Matson, Raymond Nathan (Eng. 18)	D.C.	McCall, Thomas John (Jun. 34)	Ill.
†Matson, Ruby Irene (Ed., A.M.)	Md.	McCallum, William R. (Govt. 90)	Mo.
A.B. 1927, University of Maryland		†McCallum, Rita Margaret (Univ.)	D.C.
†Matson, Walter David (Law I)	Md.	McCarter, Dallas Haven (Jun. 13)	Tex.
A.B. 1931, University of Michigan		†McCarthy, Ann M. (Univ.)	D.C.
Mattei, Joaquin (Jun.)	P.R.	†McCarthy, Florence Derriek (Univ.)	D.C.
		A.B. 1934, University of Utah	



McCarthy, Thomas Francis (Jun. 12)	N.Y.	McFadden, Zoe Charlotte (Law I)	Ind.
McCartney, Junius Acree (Jun. 68)	D.C.	A.B. 1937, The George Washington	
McClanahan, Betty Ruth (Jun.)	Fla.	University	
McClare, John Kenneth (Law I)	N.Y.	McFarland, Edward Atkinson	Maine
A.B. 1927, Yale University		(Med. II)	
†McClellan, Delmar Woodrow (Jun. 20)	Ind.	B.S. 1936, Bowdoin College	N.Mex.
McClendon, Casper Shepard (Ed. 101)	D.C.	McFarland, Hazel Grace (Jun.)	Va.
L.L.B. 1932, The George Washington		McFarland, Marian B. (Univ.)	
University		B.S. 1923, University of Washing-	
McCluney, Forrest Fletcher (Law I)	Mo.	ton	
A.B. 1937, University of Missouri		A.M. 1927, State College of Wash-	
McClure, Dora Florence (Ed. 105)	D.C.	ington	Tex.
†McClure, Edna Nungester (Jun. 41)	Wash.	†McFarland, Mary Alice (Law I)	
McClure, Harold Edward (Univ.)	Mass.	A.B. 1917, University of Texas	Pa.
B.Ch.E. 1927, B.S. in Ch.E. 1937,		McGaughey, Paul Thomas (Univ.)	
Northeastern University		B.S. in C.E. 1931, Drexel Institute	
McClure, Kenneth Huffman (Univ.)	D.C.	of Technology	
McComas, Earl W. (Univ.)	Calif.	†McGavack, Dora L. (Jun.)	Nebr.
(Col., A.M.)		McGee, Mary Jane (Jun.)	W.Va.
B.S. 1916, University of California,		†McGhee, John Rutledge, Jr. (Jun. 9)	D.C.
Berkeley		McGill, Mable Louise (Univ.)	Va.
McComas, William Taylor (Law I)	W.Va.	McGill, Marion Rose (L.S. 88)	Mont.
McConkey, John Irving (Jun.)	N.Y.	McGinnis, Frank Thomas (Jun.)	D.C.
McConnell, Robert C. (Law II)	N.Mex.	McGirr, Newman F. (Univ.)	D.C.
A.B. 1935, University of New		McGough, Thomas Francis, Jr. (Med. IV)	Pa.
Mexico		McGrath, Bess Clark (Jun. 2755)	Tenn.
McCard, Marvin Owens (Univ.)	Ga.	†McGrath, George Anthony (Jun.)	D.C.
†McCormack, George Robertson (Univ.)	Pa.	McGrath, Hubert Aloysius (Law II)	Mass.
McCown, William Dewell (Jun. 30)	D.C.	A.B. 1925, College of the Holy	
McCoy, Harry Stanbery (Univ.)		Cross	
Govt. 7174)		Ed M. 1934, Boston University	D.C.
†McCoy, Joe Smith, Jr. (Univ.)	Idaho	†McGrath, J. Mansfield (Univ.)	D.C.
McCracken, Paul Wilson (Med. III)	Tenn.	McGraw, Doris Jane (Jun.)	D.C.
McCrann, Edward Thomas (Jun. 24)	Ohio	McGregor, Jean (Col., A.M.)	
†McCray, Blanche Ellen (Jun.)	Conn.	A.B. 1932, The George Washington	
McCreary, Robert M. (Law II)	Kans.	University	Oreg.
A.B. 1934, University of Colorado	Colo.	McGutrin, Martin P. (Eng. 55)	N.Y.
McCuen, Audrey Lee (Govt. 82)	D.C.	†McHale, James F. S. (Ed., A.M.)	
McCulloch, Louise (Col. 107, A.M.)	Ark.	B.S. 1916, College of the City of	
A.B. 1938, The George Washington		New York	D.C.
University		†McHugh, Charles Xavier (Jun.)	Mo.
McCullough, Annabelle (Ed., A.M.;		†McIlwain, Willard Lee (Univ.)	
Univ.)	D.C.	L.L.B. 1936, Cumberland University	D.C.
B.S. 1934, The George Washington		McIlwce, James Taylor (Jun. 6)	Mass.
University		McIntosh, Edgar Caldwell (Jun. 16)	Mich.
McCullough, Robert Armstrong (Jun.)	D.C.	McIntosh, Virginia Louise (Univ.)	D.C.
McCutchen, Duval Talmadge (Univ.		McIntosh, John Dale (Jun. 12)	Mont.
& Law I)	D.C.	†McIntyre, Hal Byers (Univ.)	Mont.
A.B. 1928, The George Washington		McIntyre, Howard A. (Jun. 22)	D.C.
University		†McIntyre, Robert V. (Univ.)	
†McDavid, Marion Foy (Law II)	N.C.	A.B. 1935, The George Washington	
A.B. 1932, Davidson College		University	Ill.
†McDermott, Catherine Mae (Univ.)	Wis.	†McIlhenn, Lucille B. (Univ.)	D.C.
B.S. 1931, A.M. 1935, Columbia		†McKam, Charles Henry (Univ.)	Iowa
University		McKee, Craig (Law III)	
McDermott, Peter A. (Law III)	Idaho	A.B. 1934, The George Washington	Id.
McDill, Alexander Stuart (Law I)	Calif.	University	Ind.
McDonald, Gorman A. (Jun. 15)	Okla.	McKee, Theodore Roosevelt (Eng. 81)	
†McDonald, Jesse F. (Jun.)	D.C.	McKenzie, Lawson Merrill (Col., A.M.)	
McDonald, Margaret Catherine		B.S. 1934, The George Washington	
(Jun. 29)	S.Dak.	University	Va.
†McDonald, Reginald Franklin (Jun. 1)	Mass.	McKenzie, Mary Elizabeth (Ed., Ed. I)	
McDonald, Richard Otto (Jun. 11)	Nebr.	A.B. 1924, Oberlin College	
†McDonnell, Henry Edward (Law II)	Idaho	A.M. 1929, Columbia University	
A.B. 1927, University of Utah		McKevitt, Thomas Lawrence (Law	Mich.
†McDowall, Luther Gilbert (Law I)	Fla.	LL.M.)	
A.B. 1932, Rollins College		A.B. 1932, L.L.B. 1934, University	
McDowell, Margaret Audrey (Jun. 15)	D.C.	of Notre Dame	S.C.
†McElhinney, Benjamin H., Jr. (Govt.,	Tex.	†McKiever, Charles Edward (Jun. 18)	Ark.
A.M.)		McKinnis, Frank Edward (Jun. 18)	Okla.
A.B. 1935, University of Texas		†McKinney, Joseph Stevens (Univ.)	Ala.
†McElmury, Richard Carl (Jun. 24)	Ia.	McKinney, Robert Howard (Jun. 18)	
†McEwan, Robert Roger (Univ.)	Va.		

# Students Registered

lxv

†McKinnie, William (Univ.) B.S. 1944, North Dakota Agricultural College	N Dak.	Meier, Sister Hilda Mary (Med IV) B.S. 1945, St. Bonaventure College	N.Y.
McKirdy, Louise (Law I)	Pa.	†Meigs, Jeannette Cavanaugh (Univ.) Ph.B. 1924, University of Wisconsin	Md
A.B. 1946, University of Pittsburgh		†Meigs, Margaret Louise (Jun. 6)	Idaho
McKirdy, Nora May (Univ.)	D.C.	Meigs, Olive Masey (Jun. 48)	D.C.
McKnew, Edward Fisher (Jun.)	D.C.	Meis, John Gordon (Law II)	Ky.
McKnight, Merwyn Newell (Eng. 125)	Va.	A.B. 1936, Georgetown University	
McKnight, Merwyn Newell, Jr. (Jun. 11)	Va.	Melpolder, Frank Weeks (Col. 194)	D.C.
McKool, Michael Peter (Law)	Tex.	Melpolder, Louise May (Jun.)	D.C.
McLaughlin, Genevieve Ann (Med. II)	N.Y.	Mendler, Willard Robert (Jun. 17)	D.C.
A.B. 1947, The George Washington University		Mendel, Charles Louis (Med. IV)	D.C.
McLaughlin, John Avis (Jun. 27)	D.C.	Mendelson, Irving (Jun.)	D.C.
†McLaughlin, Joseph Donald (Jun. 9)	Va.	Mendeshall, Carrie Frances (Univ.)	Panama
McLean, Marjorie Mae (Univ.)	Ill.	Mendez, Manuel Jose (Col. 60)	N.Y.
†McLeskey, Myrtle M. (Jun. 27)	Mo.	†Mendels, Albert George (Law I)	
McMahon, John Patrick (Col. 86)	D.C.	A.B. 1930, West Virginia University	D.C.
†McMahon, Mary Margaret (Jun. 12)	Ill.	Messing, Rebecca (Jun. 11)	D.C.
†McMaster, Robert Dumas (Jun. 1)	D.C.	Messing, Ivan Norman (Eng. 65)	D.C.
†McNeill, Paul (Univ.)	Pa.	Messing, Maurice (Med. III)	D.C.
McNeill, Caroline May (Law II)	D.C.	Messing, Remond (Univ.)	N.Y.
A.B. 1946, The George Washington University		Messing, Marcel Charlotte (Ed. 60)	D.C.
McMillen, Jack Robert (Jun. 14)	Va.	Messing, Frank Weaver (Jun. 64)	Tex.
McMillen, Peggy Elbertson (Jun. 28)	D.C.	†Messing, Lora Nell (Jun. 294)	D.C.
McMillen, William Warren (Eng.)	Va.	†Messing, Helen R. (L.S. 11)	Vt.
McMillen, Barbara Weems (Jun. 51)	D.C.	A.B. 1924, Mount H. Brooke College	Idaho
McNallen, Wilbur Thomas (Eng. 12)	Minn.	†Merrill, Dorothy (Jun. 18)	Tenn.
McNamara, Alexander Peter (Med. I)	D.C.	Merriman, Clyde Earl (Jun.)	Mich.
†McNeal, Berice Elizabeth (Univ.)	Va.	Merriman, Lorene Nancy (Jun. 27)	D.C.
McNeese, Marie Agnes (Col. 10)	D.C.	Merritt, Charles Allen (Eng. 1)	Maine
†McNeil, George Elliott (Univ.)	D.C.	Merritt, Fannie Fern (Col. 88)	D.C.
McNeil, Helen (Jun. 21)	D.C.	Merritt, Margaret Reed (Ed. Ed. D.)	
†McPherson, Estelle Minnetta (Jun. 15)	D.C.	A.B. 1926, A.M. 1926, The George Washington University	D.C.
McPherson, Terry Martin (Col. A.M.)	La.	Merton, Clarence Earl (Eng. 100)	
A.B. 1946, The George Washington University		B.S. in M.E. 1941, Oregon State Agricultural College	
McPike, Eugene Williams (Col. 91)	D.C.	Merz, Merry Frances (Col. 91)	D.C.
McQuarrie, Harlow Brooks (Med. III)	Utah	Messrow, Allen M. (Jun. 60)	Pa.
B.S. 1943, Utah State Agricultural College		Messer, Nathan (Jun.)	N.Y.
McQuary, Flournoy (Ed. 99)	D.C.	Messera, Lucy Kathleen (Law I)	Del.
†McQueney, Donald (Univ.)	N.Y.	Messera, University of Delaware	Calif.
†McQueney, Dorothy Phoebe (Jun.)	D.C.	A.B. 1947, University of Delaware	
†McQueney, Roseanna (Law I)	Wash.	†Metzger, John M. (Jun. 55)	D.C.
A.B. 1928, Stanford University		Metzger, Robert Walter (Univ.)	
†McReynolds, Cecil Ira (Jun.)	Ariz.	A.B. 1922, Oberlin College	Va.
McShane, John Bernard (Univ.)	Vt.	Metz, John E. (Eng. 1)	Pa.
McWhirt, Joseph Russell (Jun.)	Va.	Messenger, Sol Walter (Jun. 16)	D.C.
McWhirt, Mary Virginia (Univ.)	Va.	†Metzler, Cuvier Agassiz, Jr. (Med. I)	
†McWilliams, Francis Esther (Univ.)	D.C.	A.B. 1927, Ohio Wesleyan University	Wis.
A.B. 1944, Oberlin College		†Metzler, Edward L. (Univ.)	
Meade, Arthur Edward (Jun.)	Va.	L.L.B. 1941, Massachusetts University	N.Y.
Meadows, Richard William (Col. 99)	Ala.	L.L.M. 1941, Georgetown University	
Meads, Garner Beardsall (Med. IV)	Utah	Meyer, Jane (Jun. 20)	Pa.
A.B. 1945, University of Utah		Meyer, Charles Frederick (Grad. Ph.D.)	
Meads, Louise Carol (Ed. 116)	D.C.	B.S. 1945, Pennsylvania State College	
Means, Ellen Marjorie (Jun.)	D.C.	A.M. 1947, The George Washington University	Ohio
†Means, Marian Newbold (Jun.)	D.C.	Meyer, Charles Henry (Jun. 6)	Calif.
Meekem, Kathleen (Law III)	Wash.	Meyer, Herbert (Law I)	
A.B. 1928, University of Washington		B.S. 1924, University of California, Berkeley	Nebr.
Meek, Jean Sinclair (Grad. Ph.D.)	Mich.	Meyer, Paul Monroe (Jun. 62)	Ohio
B.S. 1945, Northwestern University		†Meyers, Hildie Ph. Roselyne (Jun.)	D.C.
A.M. 1947, The George Washington University		†Meyers, Hazel Truman (Univ.)	D.C.
Medill, Daniel Kerfoot (Law II)	Pa.	Meyers, Jean Gay (Jun.)	W.Va.
A.B. 1946, University of Delaware		Michael, James Roy (Eng. 16)	D.C.
Meads, Lloyd Tindall (Eng. 45)	Va.	Michael, Ralph Hubert, Jr. (Jun.)	D.C.
Meel, Evelyn Grace (Univ.)	Minn.	Michael, Luthar (Law II)	D.C.
Jun. 844)		Michael, Eng. 1924, Technical University, Munich, Germany	
Meeks, Elisha Andrew, Jr. (Jun. 16)	Va.	Michaelson, Cynthia Ruth (Jun. 24)	D.C.



†Milaux, Arthur Fortune (Jun.)	Pa.	†Mills, Dorothy Lane (Law I)	D.C.
Milica, Nellie Arkenson (Univ.)	D.C.	A.B. 1926, Randolph-Macon Women's College	N.I.
†Mildred, Helen (Univ.)	Va.	†Mills, Elizabeth Virginia (Univ.)	Va.
Mildred, Elizabeth Hannah (Col. 98)	D.C.	†Mills, Helen Esther (Univ.)	
B.S. 1926, Western Teachers College		B.S. 1928, Virginia State Teachers College, Fredericksburg	
Mildred, Percy Shivas (Law I)	Va.	A.M. 1929, Columbia University	
M.I. 1927, Rensselaer Polytechnic Institute		Mills, Margaret Marie (Govt. 81; Col.)	Tenn.
†Mildred, Helen Howard (Univ.)	Utah	Mills, Roswell Sherman (Med. I)	N.Y.
B.S. 1912, University of Utah		A.B. 1937, Union College, New York	D.C.
Mrs. Mox, Elizabeth (Univ.)	Calif.	Mills, Virginia Wall (Jun. 69)	S.C.
†Miss, Katherine (Law III)	Hawaii	Mims, Shannon Wilson (Univ.)	D.C.
Miss, Elizabeth Helen (Govt. 90)	N.I.	Mincosky, Abraham Burton (Jun. 88)	Iowa
†Miszewski, Charles L. Jr. (Eng. 96)	Mass.	Minor, Francis Ward (Col., A.M.)	
Mitch, Everett DeWalt (Col., A.M.)	D.C.	B.S. 1936, The George Washington University	
A.B. 1936, The George Washington University		†Miles, Katherine Leigh (Jun. 57)	D.C.
†Miles, Katherine Leigh (Jun. 57)	D.C.	Milton, Teresa Elizabeth (Jun. 49)	D.C.
Milton, Teresa Elizabeth (Jun. 49)	D.C.	†Miles, August Bern (Eng. 76)	Md.
†Miles, August Bern (Eng. 76)	Md.	Mitchell, Charles Edward (Univ.)	R.I.
Mitchell, Charles Edward (Univ.)	R.I.	†Milton, Ray Edward (Jun. 54, Law I)	D.C.
†Milton, Ray Edward (Jun. 54, Law I)	D.C.	Mitch, Samuel Robert (Med. IV)	Conn.
Mitch, Samuel Robert (Med. IV)	Conn.	A.B. 1934, The George Washington University	
A.B. 1934, The George Washington University		†Miller, Albert Raymond (Jun. 62, Col.)	D.C.
†Miller, Albert Raymond (Jun. 62, Col.)	D.C.	Miller, Alice Eleanor (Jun. 50)	Md.
Miller, Alice Eleanor (Jun. 50)	Md.	†Miller, Charles Herbert (I.S., A.M.)	Md.
†Miller, Charles Herbert (I.S., A.M.)	Md.	A.B. 1924, University of Chicago	
A.B. 1924, University of Chicago		A.B. in I.S. 1931, The George Washington University	
A.B. in I.S. 1931, The George Washington University		Miller, Charles Louis (Univ.)	Pa.
Miller, Charles Louis (Univ.)	Pa.	†Miller, Charles Wayne (Jun. 91)	Va.
†Miller, Charles Wayne (Jun. 91)	Va.	Miller, Clark Richardson (Med. II)	Wash.
Miller, Clark Richardson (Med. II)	Wash.	†Miller, David C. (Law III)	D.C.
†Miller, David C. (Law III)	D.C.	A.B. 1925, The George Washington University	
A.B. 1925, The George Washington University		†Miller, Dorothy Hamilton (Ed., A.M.)	Va.
†Miller, Dorothy Hamilton (Ed., A.M.)	Va.	A.B. 1935, American University	
A.B. 1935, American University		Miller, Elbert Franklin (Ed. 94)	D.C.
Miller, Elbert Franklin (Ed. 94)	D.C.	†Miller, Esther Taylor (Jun. 1)	D.C.
†Miller, Esther Taylor (Jun. 1)	D.C.	†Miller, Frances Darley (Univ.)	Utah
†Miller, Frances Darley (Univ.)	Utah	Miller, Frank Richard (Jun. 74 1/2)	W.Va.
Miller, Frank Richard (Jun. 74 1/2)	W.Va.	†Miller, George Augustine (Jun. 1)	Pa.
†Miller, George Augustine (Jun. 1)	Pa.	Miller, Harry Slater (Law II)	D.C.
Miller, Harry Slater (Law II)	D.C.	B.S. 1933, Allegheny College	
B.S. 1933, Allegheny College		†Miller, John Edward (Jun., Eng.)	D.C.
†Miller, John Edward (Jun., Eng.)	D.C.	Miller, Joshua Albert (Ed., A.M.)	Md.
Miller, Joshua Albert (Ed., A.M.)	Md.	B.S. 1912, University of Maryland	
B.S. 1912, University of Maryland		Miller, Kenneth Albert (Ed., A.M.)	Pa.
Miller, Kenneth Albert (Ed., A.M.)	Pa.	A.B. 1934, Bucknell University	
A.B. 1934, Bucknell University		†Miller, Kenneth D. (Law II)	Mo.
†Miller, Kenneth D. (Law II)	Mo.	A.B. 1932, DePue College	
A.B. 1932, DePue College		†Miller, Leonard Hatch (Col. 116)	Va.
†Miller, Leonard Hatch (Col. 116)	Va.	†Miller, Lela Vee (Univ.)	D.C.
†Miller, Lela Vee (Univ.)	D.C.	A.B. 1922, Bridgewater College	
A.B. 1922, Bridgewater College		A.M. 1927, University of Virginia	
A.M. 1927, University of Virginia		†Miller, Madelyn Francis (Ed. 95)	N.Y.
†Miller, Madelyn Francis (Ed. 95)	N.Y.	†Miller, Marion Elizabeth (Univ.)	D.C.
†Miller, Marion Elizabeth (Univ.)	D.C.	Miller, Mary Virginia (Jun.)	Md.
Miller, Mary Virginia (Jun.)	Md.	†Miller, Paul James Jr. (Law I)	Mass.
†Miller, Paul James Jr. (Law I)	Mass.	B.S. 1926, Mississippi State College	
B.S. 1926, Mississippi State College		Miller, Paul R. (Col., Ph.D.)	Va.
Miller, Paul R. (Col., Ph.D.)	Va.	B.S. 1929, Indiana State Teachers College	
B.S. 1929, Indiana State Teachers College		M.S. 1931, Purdue University	
M.S. 1931, Purdue University		†Miller, Richard Bernard (Jun. 1)	D.C.
†Miller, Richard Bernard (Jun. 1)	D.C.	Miller, Samuel Marion (Jun. 44)	Ala.
Miller, Samuel Marion (Jun. 44)	Ala.	†Miller, William A. (Med. III)	Md.
†Miller, William A. (Med. III)	Md.	B.S. 1912, University of Maryland	
B.S. 1912, University of Maryland		†Miller, William Edgar (Univ.)	Tex.
†Miller, William Edgar (Univ.)	Tex.	†Miller, William (Law I)	Ky.
†Miller, William (Law I)	Ky.	A.B. 1915, University of Kentucky	



Montney, Louis Henry (Jun. 41)	Mich.	Morris, Harry Oliver (Law II)	N. Mex.
Moody, Louis Henry, Jr. (Med. II)	D. C.	A. B. 1936, University of New Mexico	
Mooers, Edwin Albert, Jr. (Jun. 3)	D. C.	Morris, Herman Jackson (Cal., A. M.)	Okla.
Moon, Dorothy Ruth (Univ.)	D. C.	B. S. 1934, The George Washington University	
†Moon, Doris Corinne (Law. 66)	D. C.		D. C.
†Moon, Elsa Berkeley (Univ.)	Ohio	†Mort, Helen Maria (Ed. 84)	Kans.
†Moon, Hattie Spencer (Jun. 54)	Okla.	Morris, Florence (Cal. 84)	Iowa
†Moon, Mattie (I. S., Uncl.)	Oreg.	Morris, Louis William (Jun. 94)	D. C.
B. S. 1932, A. M. 1934, American University		†Mortis, Lucille Frances (Jun.)	Calo.
†Moon, Philip Eldon (Jun. 15)	N. J.	Morris, William S. (F. A., A. M.)	
Mooney, Brian Grant (Univ.)	Tex.	B. Arch. 1936, Columbia University	D. C.
†Mooney, Elizabeth (Univ.)	Md.	Morris, Alton Skilman (Jun. 68)	Ga.
A. B. 1937, The George Washington University		Morris, George Douglas (Law III)	
Mooney, Frances Pate (Ed., Ed. D.)	Va.	Graduate 1949, U. S. Naval Academy	Calif.
B. S. 1925, University of Oklahoma		Morris, George W. (Univ.)	D. C.
A. M. 1929, George Peabody College for Teachers		†Mortson, Katherine A. (Univ.)	D. C.
†Mooney, William M. II (Eng.)	S. C.	Mortson, Mary Gloria (Jun. 54)	Ill.
Moore, Adam Howard (Cal., A. M.)	Tenn.	Mortson, Mary Lue (Jun.)	Md.
B. S. 1928, University of Chattanooga		Mortson, Norman James, Jr. (Univ.)	D. C.
Moore, Alice Helen (Univ.)	Okla.	†Mortson, Rita Jeanette (Univ.)	D. C.
A. B. 1932, Oklahoma East Central State Teachers College		Mortson, Vera Lucille (Ed., Ed. D.)	D. C.
Moore, Catherine Myers (Jun.)	D. C.	B. S. 1924, Union College, Nebraska	
Moore, Estelle Betty (Law III)	D. C.	A. M. 1944, University of Maryland	Vt.
Moore, George Marshall (Law I)	D. C.	Morse, Excellencia Leola (Eng. 114)	
A. B. 1937, The George Washington University		A. B. 1921, University of Vermont and State Agricultural College	
Moore, Glenn E. (Law II)	Ark.	B. S. 1922, M. S. 1924, Massachusetts Institute of Technology	
A. B. 1932, University of Missouri		LL. B. 1932, The George Washington University	Kans.
†Moore, Grace Elizabeth (Jun.)	Md.	Morse, Roger Herbert (Law I)	Fla.
†Moore, James Madison (Univ.)	D. C.	Moseley, Ruth Anita (Jun. 12)	Mo.
B. S. 1926, Wilson Teachers College		Moser, Karl Louis (Ed., Ed. D.)	
Moore, John Stewart (Med. I)	D. C.	B. S. 1925, Missouri State Teachers College (Central)	
†Moore, Mabel (Univ.)	Va.	A. M. 1934, The George Washington University	
Moore, Malcolm Richardson (Eng. 47)	D. C.		Mo.
Moore, Susan Davis (Jun. 21)	D. C.	Moser, Leona Esther (Jun. 54)	D. C.
Moore, Virginia Bennett (Jun. 31)	Ky.	Moses, William Russell (Med. III)	N. Y.
Moorman, Marjorie Platt (Gen. 62)	Ky.	Mosier, Ellsworth, Hathaway (Law II)	
†Mora, Consuelo Rodriguez (Jun.)	N. Y.	B. S. in Chem. Eng. 1937, Syracuse University	
Moran, John Francis, Jr. (Jun. 18)	Md.	Mosley, Vernon Millard (Jun. 70)	Kans.
Moran, Leon James (Jun.)	Conn.	C. I.	Ky.
Morris, Lowell Harlan (Jun.)	D. C.	†Moss, Dorothy (Jun.)	Ark.
Morris, Raymond Thomas (Jun.)	D. C.	Moss, Joseph Alexander (Law II)	
†Morris, Mary Leone (Jun. 18)	Mich.	A. B. 1934, Northwestern	D. C.
†Morris, Ralph (Law II)	Nev.	Moss, Kitty Whithead (Univ.)	D. C.
Morgan, Charles William (Jun. 92)	D. C.	Mossman, Anna Pauline (Jun.)	Md.
†Morgan, Donald Joseph (Law III)	Ariz.	Mossow, Elmer (Law, LL. M.)	
†Morgan, George Seymour (Univ.)	Ill.	LL. B. 1937, The George Washington University	D. C.
†Morgan, Harold (Law I)	Ill.	Mothershead, Lorel Frances (Univ.)	
A. B. 1927, University of Missouri		B. S. 1934, Wilson Teachers College	
†Morgan, James Frederick (Cal. 87)	La.	A. M. 1936, The George Washington University	
†Morgan, Robert Elmer (Eng. 83)	W. Va.		Fla.
†Morgan, Sara Linda (Ed., A. M.)	Ga.	Mott, James Joshua, Jr. (Jun. 44)	Fla.
A. B. 1932, Georgia State College for Women		†Mott, L. L. Jones (Jun. 16)	N. J.
†Morton, Flossie Kathleen (Univ.)	Ill.	Mott, William Chamberlain (Law I)	
†Morgenstern, Sam A. (Jun. 14)	Pa.	B. S. 1934, U. S. Naval Academy	
†Morice, Charlotte Teele (Jun.)	Iaho	†Motyka, Agnes Louise (Ed. 112)	Ill.
Morin, Harriette Judith (Jun. 55)	D. C.	†Mortimer, David Charles (Med. I)	Mass.
†Morris, Roger Alphonse (Jun. 14)	N. H.	B. S. 1934, Massachusetts State College	
†Moroney, James Callan (Law, LL. M.)	Minn.	A. M. 1937, The George Washington University	
B. S. 1927, University of Minnesota			D. C.
LL. B. 1931, Harvard University		Moyer, Walter (Jun. 24)	Mass.
†Moroney, William M., Jr. (Univ.)	D. C.	Moyzahan, Francis William (Univ.)	D. C.
A. B. 1932, LL. B. 1934, University of Minnesota		Moyzahan, Timothy A. (Univ.)	Md.
†Morris, Edward Burton (Cal., A. M.)	D. C.	Mueller, Lesure Tucker (Jun.)	D. C.
A. B. 1932, Indiana University		Mueller, Mary C. Barth (Ed., A. M.)	
†Morris, Evelyn Dapre (Univ.)	Va.	Ph. B. 1928, University of Chicago	

Mueller, Walter Philip (Eng. 56)	D.C.	†Munro, Robert Henri (Univ.)	Mo.
Mugmon, Leo Harold (Med. I)		A.B. 1930, M.Arch. 1931, Wash-	
Mullenburg, Robert A. (Jun. 47)	S.Dak.	ington University	
Must, Donald Cameron (Med. II)	Pa.	†Myer, Annette Dorothea (Jun.)	D.C.
Mutholland, Helen K. (Univ.)	Pa.	Myers, Famer Gordon (Jun.)	Ohio
Muller, Victor C. (Law I)	Va.	†Myers, George Henry (Eng. 12)	Mid
B.S. 1931, University of Southern		†Myskowski, Walter Joseph (Jun.)	Mass
California			
Mulligan, Mary Annette (Jun. 19)	D.C.	N	
Mulligan, Tracy Ellsworth (Law I)	D.C.	Naecker, Louis Joseph (Eng. 70)	D.C.
A.B. 1937, The George Washington		Nagy, Lillian Sophia (Jun. 15)	W.Va.
University		Nail, Harry Craig (Law III)	Ohio
Mullikan, Catherine (Univ.)	D.C.	A.B. 1937, Ohio University	D.C.
Mullin, Harold Ried (Jun. 60)	Wis.	Naiman, Irma Rose (Jun.)	Va.
Mulloy, Jack B. (Jun. 39)	Pa.	Nance, Nellie Ward (Col., A.M.)	
†Mulvey, Frederick (Ed., A.M.)	D.C.	A.B. 1931, The George Washington	
A.B. 1931, The George Washington		University	
University		†Nash, Margaret Knapp (Ed., A.M.)	D.C.
†Munim, Carl William (Ed., A.M.)	N.Y.	A.B. 1929, The George Washington	
A.B. 1935, Mount Union College		University	
†Munhall, Jack Howard (Jun.)	D.C.	Nash, Mary Lou (Jun. 30)	N.C.
Munns, Dudley Forest (Jun. 56)	D.C.	Nash, Nadine Ellen (Jun.)	Colo.
†Munson, Sam Clark (Univ.)	Miss.	Naster, Bertram (Jun. 39)	Mo.
B.S. 1930, M.S. 1931, Mississippi		Nathanson, Irwin Bernstein (Eng.)	D.C.
State College		*Nau, Carlton Leroy (Law III)	Pa.
Murata, Jack Koguma (Col., A.M.)	Calif.	B.S. 1931, Gettysburg College	
B.S. 1936, The George Washington		Naylor, Henry (Jun.)	D.C.
University		*Naylor, Walter Kent (Law III)	Idaho
†Murayama, Sutei (Eng.)	D.C.	†Neal, Oscar Thomas (Law I)	Ky.
Murdoch, Myrtle (Ed., Ed.D.)	Anz.	B.S. 1937, The George Washington	
A.B. 1926, Arizona State Teachers		University	
College, Tempe		Neal, Thomas Ellison (Col. 75½)	Ga.
A.M. 1927, University of Arizona		Needham, Roger Everett (Univ.)	Mass.
B.S. 1937, University of Utah	Utah	Eng. 111)	
†Murnan, Dolie Doris (Jun. 18)	D.C.	B.S. 1936, Massachusetts Institute	
Murphy, Charles Martin, Jr. (Col.,	Ala.	of Technology	Ark.
A.M.)		Neely, James Muri (Univ.)	D.C.
A.B. 1934, The George Washington		†Neergaard, Kirsten Margaret (Univ.)	Ark.
University		†Neff, Dorothy (Univ.)	Mid.
†Murphy, Edward Michael (Jun.)	N.Mex.	B.S. 1935, University of Illinois	D.C.
†Murphy, Helen Kathryn (Jun.)	Kana.	Nelson, Ethel Mary (Col., A.M.)	
Murphy, Irene May (Col. 76)	D.C.	A.B. 1937, The George Washington	
Murphy, James Emmett (Law II)	Mo.	University	
A.B. 1935, William Jewell College		Nelson, Fred Clayton (Law II)	Utah
Murphy, John Daniel (Law II)	N.Mex.	*Nelson, Harold Fletcher (Law II)	Nebr.
Murphy, Kathryn (Col., A.M.)	Mass.	A.B. 1932, University of Nebraska	Nebr.
A.B. 1935, The George Washington		Nelson, Howard Moore (Law II)	
University		B.S. 1942, University of Nebraska	Va.
Murphy, Richard C. (Med. II)	Oreg.	Nelson, Kathleen Mary (Jun. 32)	Iowa
A.B. 1935, The George Washington		Nelson, Maudie Edward (Col. 72)	
University		L.L.B. 1937, The George Washing-	
Murray, Charles A. (Jun. 51)	Mass.	ton University	Mid
Murray, Charles Marcellus (Univ.)	Mid.	†Nelson, Pauline Elizabeth (Univ.)	D.C.
Murray, Harold W. (Univ.)	D.C.	Nelson, Sydney (Jun. 80)	
B.S. in C.E. 1929, Bucknell Univer-		Neslen, George Quayle (Univ.)	Utah
sity		Jun. 71½)	D.C.
†Murray, Harry David (Univ.)	D.C.	Nesom, Ellen Catherine (Jun.)	D.C.
Murray, James Hyatt (Jun. 54)	Ind.	Nettleton, Frances Alabada (Col. 90)	D.C.
Murray, Mabel Park (Univ.)	D.C.	Neuendorf, Helen Elizabeth (Jun.)	D.C.
B.S. 1929, Bucknell University		Neufeld, Arthur Ivan (Jun.)	D.C.
A.M. 1935, Catholic University of		Neulauser, Frank Louis (Law I)	D.C.
America		B.S. in E.E. 1934, University of	
†Murray, Margaret Patricia (Ed., A.M.)	D.C.	Louisville	Ill.
A.B. 1939, The George Washington		Nevins, Frances Shawn (Univ.)	Ga.
University		Newell, Sam Herron (Univ.)	Tenn.
†Murray, Michael James (Eng.)	Tex.	Newell, Edward Dunbar (Eng. 96)	D.C.
†Muse, Gladys Gordon (Jun. 6)	Va.	Newhouse, Mildred Miriam (Col., A.M.)	D.C.
Musser, Milton Shipp (Law III)	Utah	A.B. 1937, The George Washington	
A.B. 1937, The George Washington		University	
University		†Newland, Carolyn Louise (Col. 122)	D.C.
Mustaparta, Helvi (Jun. 36)	S.Dak.	Newland, Paul (Jun. 104)	Pa.
Muth, Raymond Francis (Eng. 104)	D.C.	Newlin, Joseph Homan (Jun.)	Va.
		Newman, Craig Walton (Jun. 32)	

Newman, John Wright (Jun. 24)	Nebr.	Norton, Leland Dean (Col., A.M.)	O.
Newman, Robert Andrews (Govt., A.M.)	Md.	A.B. 1930, The George Washington University	
A.B. 1937, University of Maryland			
Newson, Howard Fowler (Jun. 11)	D.C.	†Norton, Mimi Louise (Univ.)	D.C.
Newton, Walter Lloyd (Jun. 10)	D.C.	Norton, Maeva Louise (Jun.)	Ill.
Nicolo, Ruth Elizabeth (Jun. 30)	Pa.	Norton, Nathan M. Clantock (Law II)	Ark.
Nichol, Evelyn Whitley (Jun. 30)	D.C.	Novelle, Robert Lewis (Jun. 50)	D.C.
†Nicholas, Catherine Ed. abeth (Jun. 1)	Pa.	Nott, Mildred McCauley (Ed., A.M.)	Conn.
Nichols, Charlotte Emily (Jun. 27)	D.C.	B.S. 1926, Wilson Teachers College	
Nichols, Clark, Jr. (Law III)	D.C.	Nott, Perry Jacob (Med. I)	N.Y.
Nichols, James Ross, Jr. (Jun.)	D.C.	B.S. 1936, New York University	
†Nichols, Shirley Taft (Jun. 1)	D.C.	Nowaksky, Arthur Joseph (Jun. 24)	P.
Nicklin, Walter Shirley, Jr. (Univ.)	Va.	Nowaksky, Robert John (Jun. 28)	P.
Phar G. 1935, The George Washington University		Newling, William Bernard (Jun. 6)	Wash.
Nicksick, Bagdan (Jun. 25)	D.C.	†Noyes, Elmer R. (Law I)	Mass.
Nicol, Margaret Alene (Jun.)	Md.	A.B. 1931, St. John's College	
Niece, James Orville (Jun. 1)	D.C.	Nott, David Henry (Univ.)	Tex.
Nielsen, Glen Edwin (Univ. & Law I)	Utah	Nutter, John Barnett (Jun. 117)	D.C.
B.S. in F.E. 1937, The George Washington University		Nutter, William Morris (Jun.)	W.Va.
Nielsen, Jean Kelly (Jun. 68)	Va.	Nyrop, Donald William (Law II)	Nebr.
Nielsen, Alma Welin (Ed. 81)	D.C.	A.B. 1934, Duane College	
†Nielsen, Carl Auge (Jun. 46)	D.C.		
Nelson, Leo Haight (Law III)	Idaho		
Nelson, Oscar H. (Jun. 65)	Idaho		
Nelson, Sister Mary Cyprian (Ed., A.M.)	Pa.		
A.B. 1936, Villanova College			
Nikola, Lily Irene (Jun.)	D.C.	Oakley, Thomas Richard (Eng. 94)	Pa.
Smutz, Nancy (Jun. 11)	D.C.	Ober, Legare Hill Bowles (Law I)	Ga.
Nipe, Merlin Harris (Law I)	N.Y.	Oberlin, Paul Frederick (Jun. 48)	D.C.
A.B. 1929, A.M. 1931, Ph.D. 1937, American University		O'Brien, Elizabeth Ann (Jun. 51; Ed.)	D.C.
Nisbit, John Walde (Jun. 19)	Oreg.	O'Brien, George E. (Univ.)	Mass.
B.S. Sylvia Marz (Univ.)	D.C.	A.B. 1934, Harvard University	
†Noble, Amber Youngblood (Ed., A.M.)	Calif.	O'Brien, James Francis (Law II)	Mont.
A.B. 1936, University of California, Los Angeles		O'Brien, Margaret Fay (Ed. 65)	N. Dak.
Noble, Joseph Southall (Eng. 715)	Va.	O'Brien, Thomas Duran (Col., A.M.)	Va.
Noble, Margaret Kunza (Ed., A.M.)	D.C.	B.S. 1935, The George Washington University	
B.S. 1931, Wilson Teachers College		O'Brien, Thomas William (Jun. 94)	Tex.
Nohl, Frederick L. (Law I)	N. Mex.	†O'Byrne, Margaret Claudia (L.S., Uncl.)	D.C.
A.B. 1931, University of New Mexico		O'Connell, Edward Pearson (Jun. 39)	Colo.
Nolan, Julia Anne (Univ.)	D.C.	O'Connell, William Michael (Med IV)	N.Y.
Nold, Marie Cuthbertson (L.S., Uncl.)	Minn.	B.S. 1934, St. John's University, New York	
A.B. 1929, LL.B. 1934, A.M. 1937, The George Washington University		†O'Connor, Nora Aileen (Jun. 13)	D.C.
†Noon, Gladys Blossie (Jun. 12)	N.Y.	O'Connor, Robert Thomas (Col., A.M.)	Mass.
†Noonan, Gerald J. (Jun. 11)	N.Y.	B.S. 1935, The George Washington University	
†Nord, Ruth (Col., A.M.)	Nebr.	†O'Connor, William Patrick (Univ.)	N.Y.
A.B. 1937, The George Washington University		O'Connor, Anita Vester (Jun.)	D.C.
†Nordlie, Anna Elizabeth (Univ.)	Wis.	Oddegen, Mary Adelaide (Col. 96)	D.C.
A.B. 1932, Concordia College, Moorhead, Minnesota		Odin, Edward Everett, Jr. (Law II)	D.C.
Nordlund, Harry T. (Law I)	Wash.	B.S. 1935, University of Virginia	
Nordquist, Albert Lester (Govt. 645)	Utah	Odum, Olive (Univ.; Col., A.M.)	Va.
Norley, Myrtle Elaine (Jun. 46)	Minn.	A.B. 1927, American University	
Normandy, Eleanor Rosa (Ed., A.M.)	D.C.	O'Donnell, Alice Louise (Jun. 20)	Wash.
A.B. 1933, The George Washington University		O'Donnell, Harriet Paul (Jun.)	D.C.
Norris, Jerome Joseph (Eng.)	D.C.	O'Donnell, Leo Elmer (Univ.)	Md.
Norris, Mary Lillian (Col., A.M.)	D.C.	O'Hara, Donald Clark (Law I)	Mich.
A.B. 1936, The George Washington University		A.B. 1937, Michigan State College of Agriculture and Applied Science	
†Norris, Rachel Colmar (Univ.)	Fla.	O'Hara, James Henry (Col. 1035)	Ill.
†Norton, James Richard (Eng. 3)	Md.	†O'Hara, Robert Edward (Univ.)	Ind.
Norton, James Elaine (Jun. 57)	D.C.	†O'Hara, Thomas William (Law, LL.M.)	Wyo.
		LL.B. 1933, University of Colorado	
		O'Keefe, Bernard Joseph (Eng.)	R.I.
		Oland, Jack (Jun.)	N.Y.
		Olcott, Mary Stuart McAllister (Jun. 53)	D.C.
		Oldaker, Hazel Leota (Ed. 85)	D.C.
		†Olds, Mildred S. (Univ.)	D.C.
		O'Leary, Jerry Allynus (Jun.)	D.C.
		†Olson, Harold A. (Jun. 30)	Kans.
		Oliver, Dorothy Schereschewsky (Jun.)	Mass.
		Oliver, Frank John (Eng. 78)	D.C.



Oliver, John Crane (Jun. 48)	D.C.	Owen, Dwight Hall (Law II)	N.H.
Oliver, Richard Rudolph (Law I)	Mo.	†Owen, Orville Everett (Jun.)	Tex.
Oliver, Vincent Jerome (Eng. 26)	D.C.	†Owen, Roy Addison (Govt. 62)	S.C.
Olson, Edw. and Brown (Law I)	D.C.	Owen, Thomas Goldsborough (Jun. 54)	D.C.
Olson, Liel Oliver (Eng. 89)	Minn.	Owensby, Ethel (Law II)	Mo.
Olson, Lyle Sigmund (Jun.)	Minn.	A.B. 1924, Drury College	
†Olson, Marjorie Sophie (Jun.)	D.C.	B.E. 1925, A.M. 1929, University of Cincinnati	
†Olson, Alma Rhyne (Ed. 71)	Mont.	†Owings, Adele Gertrude (Univ.)	D.C.
Olson, Carolyn Therese (Jun. 45)	N.J.	†Owsatav, Frank J. (Jun.)	N.Y.
Olson, Curtis LeRoy (Eng. 9)	N.Dak.	Oxendham, James Price (Jun. 52)	D.C.
Olson, Helen C. (Jun. 6)	D.C.	Orburn, Ernest Eugene (Univ.)	D.C.
Olson, Walter August (Eng. 50)	Minn.		
†Olsson, Balle Ann (Jun.)	Idaho		
†Olsson, Helen E. (Jun.)	Wash.		
Oliszewski, George John (Univ.)	D.C.		
Oman, Paul W. (Grad., Ph.D.)	Kans.		
A.B. 1930, A.M. 1935, University of Kansas		Pace, David Allen (Law I)	Tex.
†O'Melveny, Dorothy Walker (Univ.)	Tex.	Pacella, Hugh William (Eng. 6)	Va.
†Oma, Charles Howard (Ed., Ed.D.)	D.C.	Pack, Marguerite (L.S., Uncl.)	Miss.
A.B. 1915, Juniata College		A.B. 1929, Mississippi Woman's College	
A.M. 1928, Pennsylvania State College		†Pachaman, Ardzoony Arthur (Univ.)	D.C.
Ombudsman, Wallace Saunders (Govt. 69)	D.C.	Padgett, Henrietta Bailey (Univ., Col., A.M.)	Fla.
†Omtvedt, Dorothy Nelson (Jun. 5913)	Minn.	B.S. in Ed. 1927, Florida State College for Women	
†Omtvedt, J. Norman (Law III)	Minn.	Padley, Albert Frederick, Jr. (Govt. 93)	Conn.
B.S. 1915, University of Minnesota		†Pagan, Alce Gwendolyn (Jun. 51)	D.C.
†O'Neill, Charles Ford (Law I)	Tex.	†Pagan, Oliver Elwood (Univ.)	D.C.
A.B. 1934, Texas Technological College		A.B. 1914, L.L.B. 1937, The George Washington University	
†O'Neill, Glen Wilbur (Ed., A.M.)	D.C.	Page, Barbara Crews (Jun.)	Md.
B.S. 1937, Wilson Teachers College		†Page, Marie Knell (Ed., A.M.)	Md.
†O'Neill, Robert Daniel (Jun. 33)	Utah	A.B. 1928, The George Washington University	
Oppy, Patricia Jean Elizabeth (Jun. 24)	N.Y.	Page, William Lee (Eng. 12)	Va.
Oram, Archie L. (Law II)	Idaho	Pai, Shu Tang (Col., A.M.)	China
†O'Ready, Florence L. (Univ.)	D.C.	A.B. 1932, National University, Peking, China	
Orling, Herman Charles (Jun. 60)	N.Y.		
†Orme, Margaret Perce (Univ.)	D.C.	†Paine, Eva S. (Ed., A.M.)	D.C.
Orme, Thomas Wilson (Jun. 41)	D.C.	A.B. 1932, The George Washington University	
†Ormsby, Edmund B. W. (Univ.)	D.C.	Paine, Richard (Jun.)	Va.
†O'Rourke, George E. (Univ.)	Neb.	Painter, Florence Minnie (Ed., A.M.)	D.C.
†O'Rourke, Charles Dennis (Law II)	Neb.	A.B. 1914, The George Washington University	
A.B. 1935, Nebraska State Teachers College, Chadron		†Paley, Samuel Arthur (Phar., Uncl.)	W.Va.
†Orr, Avis Louise (Univ.)	N.C.	A.B. 1936, West Virginia University	
†Orris, Beatrice (Jun. 48)	N.J.		
Orswey, Leo Meyer (Jun. 19)	Ill.	†Palie, Georgine Marie (Jun. 19)	D.C.
†Osborn, Martha Louise (Univ.)	D.C.	Palmer, Harriet Barbara (Jun. 30)	Va.
A.B. 1924, The George Washington University		†Palmaray, Virginia Lee (Univ.)	Md.
Osborne, David (Ed. 9013)	Ind.	Palmer, Evelyn May (Jun. 32)	Va.
†Osmond, Charles Deane (Univ.)	D.C.	†Palmer, John Leelanani (Jun. 27)	Md.
Osensky, Sol (Jun. 40)	D.C.	Palmer, William Calton (Eng.)	Miss.
†Osmond, Marcia (Univ.)	Utah	Palmer, Ganes Kenneth (Jun. 10)	Va.
B.S. 1932, Brigham Young University		†Pantell, Hope Gardner (Jun.)	N.Y.
†Osthagen, Clarence Hilmann (Law I)	N.J.	Parzer, Charles (Univ.)	
B.S. in Eng. 1939, University of Kentucky		Papanikolas, Demosthenes John (Jun. 90)	D.C.
†Ostrander, Montgomery (Jun., Uncl.)	Ohio	Pappenfort, Carson Radford (Jun.)	Mich.
Otey, Everett Dean (Phar. 88)	Va.	†Papps, Plato Ernest (Jun.)	N.H.
B.S. 1915, Davidson College		Paquin, Jean Ernest (Med I)	
Ott, Edward Stanley, Jr. (Eng.)	Ia.	B.S. 1917, University of New Hampshire	
†Ottensberg, Louis, Jr. (Jun.)	D.C.	Parenty, Peter (Univ.; Jun. 14)	N.Y.
†Ottis, John Gordon (Law II)	N.Dak.	Parham, Lillian Chappell (Ed., A.M.)	D.C.
B.S. 1934, University of North Dakota		B.S. in Ed. 1928, University of Cincinnati	
†Otto, Pauline J. (Univ.)	Mo.	Paris, Louis (Univ.)	D.C.
Owelleite, Blanche Mary (Jun. 16)	Minn.	Paris, Vincent LeVaine (Law II)	N.Y.
Overby, Dovey Ruth (Jun. 105; Col.)	Miss.	†Parker, Alice Elizabeth (Univ.)	W.Va.
Overby, Jesse Barden (Univ.)	N.C.	†Parker, Fallow George (Jun. 12)	D.C.
Overing, Rachel W. (Jun. 64)	Neb.	Parker, Emily Davis (Univ.)	D.C.

# Students Registered

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Parker, Ernest Edward (Law II)	Ala.	†Pearce, Garth Coo (Law I)	Utah
A.B. 1929, University of Alabama		Pearce, Manuel Leon Heaton (Jun.)	Wash.
Parker, Ernest Sheppard (Col. 137)	D.C.	†Pearce, Wesley Davis (Law I)	D.C.
Parker, George Allen (Law II)	Utah	Pearson, Charles Foster (Jun. 64)	D.C.
Parker, Henry Stoddert (Med. III)	D.C.	Pearson, Morris (Jun. 76)	N.Y.
Parker, Henrietta L. (Jun. 6)	Ill.	Pearse, John Frederick (Law I)	Calif.
Parkes, Klean Ethelbert (Col. 60)	Miss.	Pearson, Guy (Ed., A.M.)	Tex.
Parkinson, Graham N. (Law I)	Calif.	A.B. 1937, The George Washington University	
†Parrish, Elmer William (Ed., A.M.)	Tex.	Pearson, Mary Alta (Jun.)	Va.
B.S. 1917, The George Washington University		Pearson, William Maxwell (Eng. 68)	D.C.
Parrish, Fins Irving (Law I)	Tex.	Peck, Kingsley Congdon (Law I)	N.Y.
A.B. 1934, The George Washington University		B.S. 1932, M.S. 1932, University of Michigan	
Parrish, Floyd Donald (Med. I)	Ill.	Peck, Mary Elizabeth (Jun.)	D.C.
†Parrish, Iris (Ed., A.M.)	Utah	Pearson, Thomas Edward, Jr. (Law III)	Miss.
A.B. 1919, University of Utah		†Pence, Walter (Univ.)	Tex.
†Parrish, Violet Maxine (Jun. 57)	Ind.	†Pence, Walter Harmon (Univ.)	D.C.
Parrish, William McDowell (Eng. 69)	D.C.	Petz, Anne Catherine (Ed. 62)	N.Dak.
Pearson, Edgar Howard (Eng. 97)	D.C.	Pellmar, Melvin Miller (Univ.)	D.C.
Pearson, Francis Alan (Jun. 49)	D.C.	Pest, John Beatrice (Govt. 60)	Fla.
Pearson, George R. (Law II)	Iowa	Peterson, Jack Dyer (Jun. 30)	D.C.
†Pearson, Howard Albert (Eng. 9)	D.C.	†Petrell, William, Edwarp (Col., A.M.)	D.C.
Pearson, John Earl (Eng. 108)	D.C.	A.B. 1935, Baldwin-Wallace College	
Pearson, Loretta Culp (Univ.)	Miss.	Perkins, John Carl (Law II)	N.C.
†Parrington, Beatrice E. (Univ.)	Mass.	Perry, William H. (Eng. 46)	Miss.
Parrington, Doris Esther (Jun.)	Mass.	Perrinbaker, Amelia L. (Univ.)	D.C.
Pasch, Sam Arthur (Jun. 30)	Wis.	Perrinetti, Anthony Joseph (Univ.)	D.C.
Paskowitz, Harry (Jun.)	Ala.	†Perrinetti, Anne Powder (Ed., A.M.)	Ala.
Pasma, Theodore Kay (Col. 90)	Md.	A.B. 1911, Birmingham Southern College	
Pates, William Appleton (Law I)	Md.	Pepper, Margaret R. (Ed., Ed.D.)	D.C.
B.S. in C.E. 1936, University of Maryland		A.B. 1928, A.M. 1932, The George Washington University	
Patrum, Kenneth Walter (Law II)	Okla.	Perry, Marian F. (Eng. 25)	N.Y.
Patterson, Elizabeth Nelson (Col. 81)	D.C.	Perple, Vera Olga (Univ.)	Md.
†Patterson, Elmer Wallace (Univ.)	Va.	Peterson, Donald Keith (Jun.)	Colo.
Patterson, John Ford (Eng.)	D.C.	Petrick, Paul, Jr. (Univ.)	Ill.
Patterson, Mildred Irene (Jun. 45, Col.)	D.C.	B.S. 1934, Northwestern University	
Patterson, Thomas Peitce (Law I)	Neb.	Perrier, Anthony J. L. (Jun. 94)	Ky.
Patterson, Walter Francis (Col. 124)	W.Va.	Pettus, George Peter (Jun. 72)	D.C.
Patton, Luther Hatty (Jun.)	Va.	Perry, Elmer Vivian, Jr. (Eng. 8)	Ga.
†Patton, Paul William (Univ.)	D.C.	B.S. in C.E. 1932, Georgia School of Technology	
†Patton, William Henry (Law II)	N.Mex.	Perry, John Watson (Jun. 101)	D.C.
†Patton, Willoughby (Univ.)	Va.	*Perry, Mary Frances (Jun. 114)	D.C.
A.B. 1932, College of William and Mary		Persentler, Archie John (Law III)	Kans.
Paul, Walter Edward (Col. 82)	Okla.	Peters, Thomas Gordon (Univ.)	Md.
Pauls, Marion Wilson (Jun.)	D.C.	†Peters, Vincent Leonard (Univ.)	N.J.
†Pauly, Jean Adrienne (Jun. 3)	Calif.	†Petersen, Roy Alva (Col., A.M.)	Idaho
†Payne, Albert Alford (Jun. 31)	Tex.	B.S. 1936, Utah State Agricultural College	
†Payne, Elizabeth Browning (Law I)	D.C.	Petersen, Stanley William (Jun. 44)	N.Y.
A.B. 1936, College of William and Mary		Petersen, William Florence (Law II)	Ga.
†Payne, Golda Smith (Univ.)	Va.	A.B. 1937, University of Georgia	
A.B. 1913, A.M. 1937, The George Washington University		†Peterson, Hubert H. (Jun. 51)	Ill.
Payne, John Byrd (Col., A.M.)	D.C.	†Peterson, Knute Lever (Univ.)	Ohio
A.B. 1937, The George Washington University		Peterson, Leonard Daniel (Col. 79)	Ohio
Payle, John Howard (Univ.)	D.C.	†Peterson, Mari Lee Ann (Univ.)	Pa.
†Payne, John R. (Univ.)	Md.	†Petresky, John Joseph (Jun. 18)	Pa.
Payne, Kirby Rosworth (Jun. 61)	D.C.	Petrice, George John (Eng. 24)	Ohio
Payne, Russell Crandle (Med. III)	D.C.	Petrice, George Adrian (Ed., A.M.)	D.C.
A.B. 1936, The George Washington University		B.S. 1938, The George Washington University	
Payne, Seymour Blair (F.A. 113)	D.C.	*Petrick, John Melvin (Col. 118)	N.Y.
Payne, Vivian Franklin (Col. 60)	Va.	†Pond, Charles William (Univ.)	N.Y.
Peabody, Annette (Univ.)	Mass.	Petta, Louis Elizabeth (Jun. 27)	D.C.
A.B. 1939, Boston University		Patterson, Parke Severn (Jun. 46)	Utah
Peabody, Elisabeth Warner (Jun. 60)	Va.	Petersen, William Nelson, Jr. (Col., A.M.)	D.C.
†Peach, Edward McDonald (Jun. 4)	Tenn.	B.S. 1928, University of Utah	
Pear, Bertram Lincoln (Jun.)	D.C.	†Pettit, Harvey Love (Univ.)	Miss.
Pear, Philip (Jun.)	D.C.		

Pewett, Edwin Henkel (Law III) A.B. 1914, Washington and Lee University	Ark.	‡Piper, Isabelle Katherine (Univ.) Pirie, Muriel Alice (Col. 108) Pitt, Bernard Picking (Law III) Pitt, Laud Rolland (L.S., Uncl.)	W. Va. Wis. D.C. Minn.
†Pfaff, Philip, Jr. (Univ.) Pfahler, Robert Duvall (Eng. 98) Pfefferman, Rebecca (Jun. 29) Phares, Alan Brelsford (Law III) A.B. 1934, Municipal University of Wichita	D.C. D.C. N.Y. Kans.	A.B. 1928, Northwestern University A.M. 1936, The George Washington University Patts, Clara Louise (Ed., Ed.D.) A.M. 1925, Columbia University Paver, Frances Gertrude (Jun.) †Pleasants, Richard Rundle (Univ.) A.B. 1934, Haverford College Platt, Thora M. (Univ.) A.B. 1925, Columbia University M.S. 1940, Ph.D. 1932, University of Chicago	Va. D.C. Pa. N.Y.
Phelps, Corinne Payne (Jun.) †Phelps, Edna Catherine (Jun. 2) †Phenix, John Dewey (Univ.) A.B. 1924, A.M. 1928, University of Texas	D.C. D.C. D.C.	†Plumley, Charlotte Brown (Univ.) Plumley, Fletcher D. P. (Law II) A.B. 1928, Norwich University M.B.A. 1933, Harvard University †Plunkert, Malvin B. (Jun. 51) Poch, Stanley Thomas (Law I) Pockrass, Jack Harold (Univ.) B.S.S. 1932, M.S.E. 1934, College of the City of New York Podell, Sidney (Law I) B.S. 1937, New York University Podnos, Seymour (C.I., A.M.) B.S. 1937, The George Washington University	Vt. Vt. Ky. Wash. N.Y.
†Phibbs, Thomas B. (Univ.) †Phifer, George Erwin (Law II) Phifer, George Henry (Law II) Philipsen, John Joseph (Jun.) †Phillips, Conrad Abner (Jun., Uncl.) Phillips, Florence Elizabeth (Jun. 24) Phillips, Frank DelBose, Jr. (Ed. 124) †Phillips, George Edward (Univ.) A.B. 1936, Susquehanna University Phillips, George Ernst (Govt., A.M.) A.B. 1934, College of William and Mary	D.C. D.C. D.C. Wis. D.C. D.C. D.C. Pa. Va.	†Pines, Ben Blair (Law II) †Polack, Virginia May (Univ.) Polak, Marion Virginia (Jun. 3) Polk, Irl Hicks (Law I) B.S. in C.E. 1927, The George Washington University Pollack, Abraham (Univ.) B.S. 1933, Rhode Island State College †Pollack, Marcia (Univ.) Pollack, Melvin Morton (Jun. 24) †Pollard, B. James (Univ.) Pollard, George Marvin (Col., A.M.) A.B. 1934, The George Washington University Pollard, James Wilson (Univ.) †Pollard, Mary Ellen (Univ.) Pollard, Violet McDougall (Law I) Pollard, Willard Lucy (Law III) B.S. in Ch.E. 1931, University of Notre Dame Pollevey, Isidore (Jun. 6) Polley, George Oscar (Jun.) Pollack, Charles Frederick (Law II) Ph.B. 1935, University of Wisconsin Pomerantz, Jacob (Jun. 58) Pond, Donald Semple (Jun. 44) Ponder, Lester M. (Law III) B.S. 1934, Northwestern University Pool, Charlotte Gertrude (Jun. 24) †Poole, Hilda Voigt (Jun. 9) Poole, John Courtney (Jun. 24) †Poole, Katherine Lorena (Jun.) †Poole, Phyllis Cornelia (Jun.) †Poole, William Halbert (Univ.) Poor, John Wilbert (Law II) A.B. 1934, The George Washington University Poore, Allan Randolph (Law I) Pope, Chester Isaac (Col., A.M.) A.B. 1935, University of Kansas Pope, George Allan (Jun. 15)	N.Y. N.Y. Mass. Okla. Kans. D.C. Miss. R.I. N.I. D.C. Fla. N.Y. N.Mex. Ind. Va. Ill. N.Y. Md. Wis. N.Y. D.C. Ark. Idaho D.C. D.C. D.C. Md. Mo.
†Phillips, William Jeter (Law I) B.S. 1936, University of Richmond Phillips, William Lamar (Jun. 20) Philpitt, Blanche Wilcox (Law I) A.B. 1932, The George Washington University A.M. 1937, Columbia University Phinney, John Howard (Eng. 92) Phinias, Peter Basil (Jun. 12) Pickens, Charles Wilmer (Govt. 89) Pickens, John Kenneth (Col. 60) †Pickett, Thelma Lee (Jun. 12) Picot, George Francis (Law I) B.S. 1932, Utah State Agricultural College Pida, George (Eng. 34) Pierce, Carrah Ola (Law I) B.S. 1931, Mississippi State College for Women Pierce, Charlotte Gertrude (Univ.) A.B. 1936, The George Washington University †Pierce, Edward Randolph (Jun. 55) †Pierce, Evelyn (Univ.) Pierce, Norman Albert (Col., A.M.) B.S. 1937, International Y. M. C. A. College *Pierson, William Theodore (Col. 74 & Law III) Pigg, Milton Keith (Eng.) Pilzer, Herbert Morton (Jun. 88) Pimper, James Lambie (Law, LL.M.) A.B. 1933, Dartmouth College LL.B. 1937, The George Washington University Finching, Gladys Dorothy (Jun. 61; Col.) Pinkerton, James Greely (Jun. 15) Pinnix, R. Allen (Eng.)	Va. Wyo. D.C. Okla. D.C. D.C. N.Y. D.C. Utah Pa. Miss. D.C. Va. N.Y. Mass. Iowa Va. D.C. Md.		D.C. Fla. N.C.



Students Registered

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Pope, George Van Wyck, Jr. (Jun.)	Va.	†Prince, Janet Christian (Ed., A.M.)	Md.
†Porch, Virgil (Univ.)	Mo.	B.S. 1927, Georgia State College for Women.	
†Pore, Theodore Leon (Univ.)	Pa.	Pring, John (Jun. 18)	Va.
Porotta, Lutzmaro (Law II)	D.C.	†Prichard, Philip M. (Univ.)	Ohio
Porter, Elmer Earl (Univ.)	Ohio	†Priddy, Anna Louise (Univ.)	D.C.
B.S. in M.E. 1924, Ohio Northern University		†Priddy, Fred L. (Ed. 1911)	D.C.
Porter, Julius Helms (Govt. 102)	Ga.	†Priddy, Nicholas Henry (Univ.)	D.C.
Porter, Katherine Manderson (Col. 92)	D.C.	†Prosen, Edward Joseph (Col. 117, A.M.)	Minn.
Porter, Mable Louise (Jun. 18)	Ala.	B.S. 1928, The George Washington University	
Porter, Ned Scott (Law I)	Calif.	†Provins, W. Nathan (Law I)	Mont.
A.B. 1914, Santa Barbara State College		A.B. 1917, University of Montana	
Porter, Stevens Strawn (Jun. 62)	D.C.	†Pruitt, Hazel Marie (Jun. 15)	D.C.
†Porter, Virginia L. (Jun.)	Okla.	†Pruitt, Lillian Frances (Univ.)	D.C.
†Portner, John Alexander (Univ.)	D.C.	†Pruitt, Mary Dinger (Ed. Jun. 18)	D.C.
Portwood, Edna Lucille (Jun.)	Wyo.	†Pugh, Eleanor Caldwell (Ed. 70)	D.C.
†Portvank, William George (Jun. 15)	Pa.	†Pugh, George Elbert (Med. IV)	Pa.
Posner, Ben (Govt., A.M.)	Ariz.	B.S. 1924, St. Thomas College	
B.S. 1926, University of Arizona		†Pugh, Spencer Brander (Univ.)	Ariz.
Postak, Ellen Wynne (Med. II)	D.C.	†Pughe, George Arthur, Jr. (Law I)	Colo.
A.B. 1917, The George Washington University		†Pulver, Florian Chester (Jun.)	D.C.
†Post, Katherine Cecilia (Univ.)	Mich.	†Punphrey, Elizabeth Elvira (Univ.)	Md.
A.B. 1919, A.M. 1910, University of Michigan		†Punphrey, Lawrence Preston (Col., A.M.)	D.C.
†Poston, Margaret Cartwright (Univ.)	Md.	B.S. 1926, The George Washington University	
†Potbury, Sarah Louise (Jun. 15)	D.C.	†Purcell, Earl James (Eng. 98)	Minn.
†Potter, Gordon Vanderlip (Jun. 70)	D.C.	B.S. 1913, University of North Dakota	
†Potter, Rae Wagner (Col., A.M.)	Va.	†Purila, Paul Louis (Jun. 9)	Ariz.
A.B. 1936, The George Washington University		†Purnell, David Hawes (Jun.)	Miss.
†Potter, Ralph Edward (Eng. 52)	Mo.	†Pyle, Dorothy Boyd (Ed., A.M.)	D.C.
†Poulos, Constantine (Univ.)	D.C.	A.B. 1934, The George Washington University	
†Poundstone, John M. (Jun. 6)	Mo.	†Pyle, Harold Eugene (Univ.)	Colo.
†Powell, George Livingstone (Law III & Col. 85)	Calif.		
†Powell, Walter Reynolds, Jr. (Law III)	D.C.	Q	
A.B. 1935, Centre College of Kentucky			
Power, Roger Calvin, Jr. (Jun. 89)	D.C.	Quattlebaum, Charles Albert (Ed., A.M.)	S.C.
Power, Albert John (Govt. 90)	Va.	A.B. 1914, University of Georgia	
Power, Irving (Law I)	Mo.	Quattlebaum, Martha C. (Col., A.M.)	S.C.
B.S. in C.E. 1934, Washington University		A.B. 1911, Erskine College	
Power, Leversia Long (Ed., Ed. D.)	Pa.	Quirano, Sofia G. (Jun. 18)	D.C.
B.S. 1921, A.M. 1913, Columbia University		Quinn, Dorothy Viola (Col. 96)	D.C.
†Powlen, Marjorie Violet (Univ.)	Ind.	Quinn, Joseph Patrick (Col., A.M.)	D.C.
†Prater, John Edward (Law I)	Okla.	A.B. 1931, The George Washington University	
†Praher, Frances Azela (Ed. 79)	Va.	Quintanilla, Ruth Virginia (Col. 105)	D.C.
†Prought, Francis Clifford (Jun. 15)	Nev.	Quintrell, John Erskine, Jr. (Jun.)	Md.
†Preece, Edmund F. (Univ.)	D.C.	†Quirk, Betty Claire (Law I)	D.C.
†Prescott, Alexander Fullerton (Jun. 69; Col.)	Md.	A.B. 1936, University of Maryland	
†Prescott, Edith Raye (Univ.)	N.C.	R	
†Preston, Marguerite C. (Jun. 10)	D.C.		
†Prewitt, Ellamie (Jun. 14)	Ky.	Rabineau, Morton (Eng. 28)	D.C.
Price, Aubrey Carroll (Jun. 48)	Va.	Race, Anthony Joseph (Law II)	Ohio
Price, Dix W. (Law II)	Ariz.	A.B. 1925, Ohio University	
Price, Dorothy (Ed., A.M.)	Md.	†Radcliffe, Henrietta Bowe (Univ.)	Md.
Ph.B. 1925, University of Chicago		Radke, Eric Richard (Jun. 3)	D.C.
Price, Lucy Marshall (Univ.)	Fla.	†Radke, Sven Gunnar (Jun.)	D.C.
Price, Mary Louise (Jun. 28)	D.C.	†Radner, Irene Mary (Univ.)	N.Y.
*Price, Robert Forman (Ed., A.M.)	Md.	†Ragan, Joseph Bernard (Eng. 85)	D.C.
A.B. 1936, Tufts College		†Ragosa, Grier Henry (Univ.)	Tex.
†Price, Thomas Malcolm, Jr. (Univ.)	Tex.	†Ragosa, Williamina Estelle (Jun. 30)	N.Y.
B.S. in C.E. 1910, Georgia School of Technology		†Rahner, William J. (Jun. 5)	Ohio
†Priceman, Morris (Jun.)	N.Y.	Ramos, Sadie St. Alex. (Jun. 3)	Calif.
†Priest, William D. (Univ.)	D.C.	†Rasbeck, Frank Maxwell III (Jun. 101; Col.)	Wis.
		†Rakosin, Stanley Israel (Col. 60)	D.C.
		I.L.B. 1927, The George Washington University	

§ Deceased.

†Raleigh, Walter Julian (Univ.) B.S. in E.E. 1933, North Dakota Agricultural College	Va.	Rebholz, John Bernard (Jun. 53) B.S. 1932, College of the City of New York	Mass. N.Y.
Raler, Rita (Jun.)	Md.	†Reck, Daisy Darling (Univ.)	D.C.
Rampten, Calvin Lewellyn (Law II)	Utah	†Redd, Cedric O. (Jun.)	D.C.
Ramsey, Donald James (Law II)	D.C.	†Reddick, Ben Hill (Jun. 24)	Ala.
Graduate 1924, U. S. Naval Academy		†Reddy, Margaret Marchbanks (Univ.)	Tenn.
Ramsey, Ralph E. (Law III)	Iowa	Redman, M. Chandler (Law II)	Maine
A.B. 1944, The George Washington University		A.B. 1934, Bowdoin College	
†Ramsey, Wintrey Stuart (Univ.)	D.C.	Reed, Charles Park (Jun.)	N.Dak.
L.L.B. 1923, Atlanta Law School		†Reed, Charles Wingate (Univ.)	D.C.
Ramseyer, Jane Phillips (Col. 100)	Iowa	Reed, Dorothy (Jun. 12)	Mo.
Randall, Bert Martin (Eng. 71)	D.C.	Reed, Emery A. (Law II)	Nebr.
Randall, Glen L. (Law II)	Ariz.	A.B. 1935, Nebraska State Teach- ers College, Chadron	
Randall, Herbert Harold (Jun.)	S.C.	Reed, Hallie Mae (Col., A.M.)	D.C.
Randall, Raymond Lewis (Jun. 57)	Idaho	A.B. 1937, The George Washington University	
Randall, Robert Henry (Eng. 33)	D.C.	†Reed, James Merritt (Jun. 46)	D.C.
Rankin, Joseph Winfield (Jun. 70; Col.)	Idaho	Reed, Octavia Eisinger (Univ.; Ed. 77)	D.C.
Ranlett, Evelyn (Ed., A.M.)	Mass.	Reed, Vaughn DeWitt (Law I)	Ohio
A.B. 1928, Wheaton College, Massa- chusetts		Reeder, Samuel Bye, Jr. (Law II)	D.C.
Ranotsky, Mortimer (Jun. 35)	N.Y.	Rees, Bynum Fay (Law II)	Miss.
†Ransom, Kenneth Earl (Jun.)	D.C.	†Rees, Doyle (Law I)	D.C.
Rapee, Lawrence Albert (Med. III)	D.C.	B.S. 1932, Utah State Agricultural College	
Rapp, Evabel (Jun.)	Idaho	•Rees, Howard David (L.S., A.M.)	Md.
Rappaport, Sidney (Jun. 34)	Mo.	A.B. 1934, The George Washington University	
†Rappaport, Howard Snyder (Eng. 114)	D.C.	Reese, Jane Esther (Jun. 18)	D.C.
†Rappaport, Hilda Rose (Univ.)	N.C.	Reeser, Victor Kemper (Jun.)	Va.
Rarey, George Watson (Jun. 27)	Okla.	†Reeve, Charles Douglas (Jun.)	Mass.
†Rask, Philip Curtis (Jun. 18)	D.C.	Reeves, Laura L. (Jun. 6)	Kans.
†Rasmussen, Edvard Lawrence (Univ.)	Ill.	Reeves, Max Drown (Col. 104)	D.C.
B.S. 1923, University of Illinois		†Reeves, Winifred Marjorie (Jun. 57)	D.C.
M.B.A. 1927, Northwestern Univer- sity		Reff, Joseph (Jun.)	N.Y.
Rasmussen, Wayne David (Col., A.M.)	Mont.	Reich, Jacob (Univ.; Col. 63½)	D.C.
A.B. 1937, Montana State Univer- sity		Reichard, Donald Sellers (Eng.)	N.C.
Rast, Carolyn Frankum (Univ.)	D.C.	Reichman, Alfred Alexander (Col., A.M.; Ed. A.M.)	
†Rastall, Mae Fanny (Univ.)	D.C.	A.B. 1935, Duke University	D.C.
A.B. 1944, Mount Holyoke College		†Reid, Helen Eileen (Ed. 123½)	Conn.
Ed.M. 1946, Harvard University		†Reid, Howard William (Law I)	
Rastliffe, Sydney Melville (Col., A.M.)	D.C.	A.B. 1931, Tufts College	Ariz.
A.B. 1913, The George Washington University		Reid, Robert Lawrence (Univ.)	N.C.
†Rath, Lester Delbert (Jun.)	Iowa	Reid, Stella Mae (Jun. 63)	Mass.
Ratner, Benjamin (Law I)	N.Y.	Reid, Charlotte Mae (Col., A.M.)	
A.B. 1941, Brooklyn College		B.S. 1937, University of Minnesota	S.Dak.
Ratich, Edmund David (Govt. 98)	D.C.	†Reisel, Alexander William (Col. 91)	Pa.
†Rauschenstein, John Norman (Eng. 12)	Va.	Reissnyder, Howard Begner (Eng. 3)	D.C.
Rauschenstein, Marion Elizabeth (Univ.)	Va.	Reimel, James Oliver (Govt. 67)	N.Y.
Raum, Leonard (Univ.)	Mass.	Reinhardt, Norman (Univ.)	Okla.
†Ravitz, Harry Irving (Law I)	Utah	†Reinhardt, Eleanor Louise (Univ.)	
B.S. 1937, University of Utah		B.S. 1937, The George Washington University	
Raw, Beatrice Grace (Univ.)	D.C.	Reiser, Raymond Harold (Jun.)	Pa.
Rawson, Elsie Mae (Jun. 27)	Mass.	†Reiss, Murray (Jun. 85)	N.Y.
†Read, Beryle Roosevelt (Ed. 71)	Ind.	Reiss, Samuel (Col., A.M.)	D.C.
†Read, Herbert A. (Jun. 51)	D.C.	B.S. 1929, E.E. 1930, College of the City of New York	
Ph.D. G. 1931, The George Washing- ton University		Reison, Morris (Col., A.M.)	N.Y.
Read, Margaret Virginia (Med. IV)	Va.	B.S. 1931, College of the City of New York	
†Reading, Nellie Lee (Univ.)	D.C.	Reidex, Ralph Day (Univ.)	Md.
†Reading, Martha Kathleen (Univ.)	D.C.	B.S. 1931, The George Washington University	
Ream, Ruth Mae (Jun. 41)	D.C.	Reinfroe, Lawrence Wellborn (Jun.)	Fla.
Reaney, Grace Deet (Univ.)	D.C.	Reimer, Bernice Ellen (Univ.)	D.C.
Reardon, Wilfred L. (Law I)	D.C.	Reimer, Edith Elizabeth (Jun. 30)	Pa.
Reardon, Henry Cole (Univ.)	Wis.	Renzaglia, Guy Anthony (Jun. 61)	Minn.
•Reavis, Betty Hill (Col., A.M.)	Ind.	Replegle, Harold Hasting (Law II)	
A.B. 1931, The George Washington University		A.B. 1921, Indiana University	
Rebert, Richard Ross (Jun.)	D.C.		



# Students Registered

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Resh, Mary Sherman (Ed., A.M.) A.B. 1928, The George Washington University	D.C.	†Richard, William Walker (Univ.) Richardson, Arthur Leon Bertram (Law II)	Va
Reemick, Israel (Jun. 57)	N.Y.	B.S. 1924, Harvard University	Va
†Rees, Estelle C. (Univ.) B.S. 1931, Carnegie Institute of Technology	Pa.	Richardson, Charles Randolph (Med III)	D.C.
Rescoguer, William James (Jun. 66)	D.C.	A.B. 1926, The George Washington University	
Reuter, Francis Jean (Col., A.M.) B.S. 1925, Columbia University	D.C.	Richardson, George William (Jun. 31)	D.C.
†Reuter, Marguerite McKenna (Univ.)	D.C.	Richardson, Moses E. (Col. 95)	D.C.
†Revello, Rose J. (Univ.)	D.C.	Richardson, Reginald M. (Jun. 27)	D.C.
†Rex, Harry McCann (Eng. 8)	Pa.	Rosenberg, Robert Bartlett (Jun. 22)	Mass.
†Rex, Mary John (Univ.)	N.C.	Richman, Thomas Lefay (Jun. 86)	Idaho
A.B. 1922, Woman's College of the University of North Carolina		Richmond, Alfred Carroll (Law III)	Va
A.M. 1914, Columbia University		Graduate 1924, U. S. Coast Guard Academy	
†Rex, Millicent Barton (Univ.)	D.C.	Richmond, John Wellesley (Eng. 33)	Va
A.B. 1924, Wellesley College		†Richter, Ruby (Jun.)	D.C.
A.M. 1929, Columbia University		†Richter, Stephanie (Jun.)	Conn.
Reynolds, George L. S. (Grad., Ph.D.)	D.C.	Richwine, George H. (Ed., Ed.D.)	Pa.
A.B. 1935, A.M. 1937, The George Washington University		Ph.B. 1923, Middleburg College	
†Reynolds, Grace Williams (Jun. 12)	D.C.	A.M. 1927, Susquehanna University	D.C.
†Reynolds, Marion Loretta (Univ.)	D.C.	Richwine, Isabel Mae (Ed. 76)	D.C.
†Reynolds, Mary Frances (Jun. 4)	D.C.	Ridgell, Tally D. (Law III)	Miss.
†Reynolds, Raymond Edgar (Univ.)	D.C.	B.S. 1931, University of Mississippi	
Reynolds, William Larkin (Jun.)	S.C.	Riddle, Daniel Murphy, Jr. (Law I)	La.
Reynolds, William Neville (Jun.)	D.C.	A.B. 1935, Louisiana College	
Rhine, George Ernest (Eng. 114)	D.C.	Ridge, Michael Peter (Jun.)	Mass.
†Rhinehart, Evelyn Virginia (Col., A.M.)	Va	Ridgely, Henry Johnson (Law II)	Del.
A.B. 1932, The George Washington University		A.B. 1935, University of Delaware	
†Rhinehart, Walter Leon (Col., A.M.)	Pa.	Rife, Oscar Jennings, Jr. (Govt. 95)	W.Va.
A.B. 1935, The George Washington University		Raby, Clifford B. (Med. IV)	Idaho
†Rhoades, Cecelia (Univ.)	D.C.	A.B. 1934, University of Utah	N.Y.
A.B. 1934, A.M. 1936, The George Washington University		Riger, Lester David (Ed., A.M.)	
†Rhoades, Helen Sherry (Univ.)	D.C.	B.S. 1936, College of the City of New York	
†Rhoades, University of Maryland	Ala.	Rings, James David (Govt. 99)	Ohio
Rhodes, Lee M. (Jun. 36)	D.C.	Rings, John Beverley (Jun. 69)	Md.
Rhodes, Aaron Payne (Law I)	D.C.	Riphar, Virginia Gate (Univ.)	Md.
B.S. 1932, University of Illinois		Risbee, F. Catherine (Jun.)	N.C.
Rhodes, David Harrison (Univ.)	D.C.	†Rissby, William James (Univ.)	Ala.
Rhodes, Jack Marion (Law I)	Idaho	Riley, Anna Savely (Univ.)	D.C.
A.B. 1937, College of Idaho		A.B. 1938, College of Wooster	
Rhodes, John Glenn (Jun. 27)	Mo.	Riley, Kathleen Amelia (Med. I)	S.C.
Ribar, Peter A. (Law II)	Colo.	B.S. 1937, Furman University	
A.B. 1936, University of Colorado		†Riley, Lorraine Agnes (Univ.)	D.C.
†Ribble, Caroline Marshall (Ed., A.M.)	Va.	Riley, Mary Byline (Col. 72)	Ill.
B.S. 1927, College of William and Mary		†Riley, Theodorus Ambrose (Law II)	Mo.
†Ricciobono, Sebastian (Univ.)	N.Y.	Rinehart, Albert Watson (Jun.)	D.C.
Rice, Bernard (Col., A.M.)	Ill.	Rispol, Solomon Milton (Jun.)	N.Y.
B.S. 1937, The George Washington University		Rogers, Henry R. (Med. III)	Md.
Rice, Irene (Univ.)	D.C.	A.B. 1937, The George Washington University	
A.B. 1917, Goucher College		Rinker, Rowden Carrington (Col. 98)	Va.
A.M. 1922, Yale University		Rippley, Edna Carpenter (Law 5)	D.C.
Rice, James Emmet (Govt. 69)	Va	Rintoul, John Russell (Med. II)	D.C.
†Rich, Annette Beatrice (Jun. 33)	N.Y.	Ritter, Julius Charles (Univ.)	Ill.
†Rich, George Hutchinson (Law I)	Conn.	Ritz, John Herbert (Jun. 42)	N.J.
A.B. 1937, Colgate University		Rivers, Rafael, Jr. (Jun.)	P.R.
Rich, Joseph Charles (Law III)	Idaho	†Rivers, Dorothy Ann (Jun. 6)	Gi.
Richard, Catherine Wood (Med. I)	D.C.	†Rivers, Hugh Francis (Jun. 6)	D.C.
Richard, Mildred Graham (Ed., A.M.)	Va.	Rives, Ruth Emily (Univ.)	D.C.
A.B. 1929, Municipal University of Wichita		Risse, Julia Henry, Jr. (Eng. 101)	Va.
Richards, Channing Leathers (Law I)	D.C.	Rise, Spencer Benjamin (Eng. 47)	Va.
M.E. 1934, Cornell University		†Risch, Carrie Mae (Ed. 93)	D.C.
Richards, Leonard Frank (Col. 65)	Ohio	Rish, Eugene Spruce (Law I)	D.C.
†Richards, Myrtle Eloise (Jun. 34)	Ala.	A.B. 1930, University of Nebraska	Md.
		A.B. 1934, American University	
		†Robbins, Master Wambler (Law I & Eng. Und.)	N.J.
		B.S. 1930, The Citadel	



Roberson, Henry Clay (Col., A.M.) B.S. 1912, University of Virginia	Va.	Roeming, George Carl (Law I) B.S. 1930, University of Wisconsin	Wis.
Roberts, Benjamin Stone (Univ.)	D.C.	†Roeming, Mary Elizabeth (Univ.) A.B. 1931, A.M. 1932, University of Wisconsin	D.C.
Roberts, Catherine Foss (Med. IV) A.B. 1935, University of Utah	Idaho	Roffe, Frances Lolita (Jun. 27) *Rogers, Arthur L. (Col., A.M.) A.B. 1914, The George Washington University	Va. Miss.
Roberts, David Wells (Grad., Ph.D.) Graduate 1921, U. S. Naval Academy M.S. 1917, Georgetown University	Calif.	Rogers, Elisabeth Scattergood (Univ.) Rogers, Frances Hume (Univ.) A.B. 1935, The George Washington University	D.C. D.C.
Roberts, Franklin Batcheller (Jun. 44) †Roberts, Gertrude Hedwig (Univ.)	N.Y. N.Y.	Rogers, Hamilton Allen (Jun. 54) †Rogers, Hutton Brown (Univ.) †Rogers, Ithe Clarence (Univ.)	W.Va. Fla. N.I.
Roberts, Helen Keeler (Col. 109) Roberts, Jack Dandel (Jun.)	D.C. Ind.	†Rogers, Lloyd Emmett (Law III) A.B. 1933, University of Kentucky	Ky. Utah
Roberts, Jewell Eugene (Med. IV) A.B. 1935, University of Utah	Utah	†Rogers, Mack (Jun.) Rogers, Marie Dorris (Jun.) Rogers, Marie Elois (Jun. 69)	Utah Md. Va.
Roberts, Ora Herbert, Jr. (Law I) A.B. 1937, Evansville College	Md.	Rogers, Mildred Evelyn (Univ.) Rogers, Perceval Comstock (Jun. 64) †Rogers, Raymond Austin (Jun. 29/3)	W.Va. D.C. D.C.
Roberts, Sarah Elizabeth (Col., A.M.) A.B. 1931, University of California, Los Angeles B.S. in L.S. 1932, University of Washington	Calif.	†Rogers, Rebecca Martha (Univ.) †Rogers, Susan (Univ.) †Rogers, Nellie Lewis (Univ.) Rohrbach, Austin Bertram (Med. I) A.B. 1937, Duke University	N.Y. D.C. Md. D.C.
†Robertson, Edmund (Jun. 12) †Robertson, Edward Donald (Law I) A.B. 1936, The George Washington University	Iowa	Roller, Jane Wrennah (Col. 92) Rolston, Elizabeth (Univ., Ed. A.M.) B.S. 1926, Virginia State Teachers College, Harrisonburg	Va. P.R. N.Y.
Robertson, James C., Jr. (Eng. 109) Robertson, John William (Univ.) Robertson, Lunquest Gilbert (Jun.) Robertson, Mabel Rosalind (Law I) A.B. 1924, University of Illinois	D.C. Md. Va. Fla.	Roman, Luz Maria (Univ., Jun. 13) †Romanoff, Melvin (Jun.) †Roman, John Joseph (Jun. 10) Roman, Joseph Paul (Govt. 92) Roman, Clyde Edison (Law II)	Pa. Pa. Ohio D.C.
Robertson, Mary Brooks (Jun.) Robinia, Anthony Joseph (Jun. 34) Robins, LeRoy (Med. IV)	D.C. D.C. D.C.	†Roman, Thomas Warren (Jun.) †Roman, Kenneth Lee (Jun. 6) †Roman, Kenneth, Jr. (Univ.) †Ronen, Florence Mabel (Jun. 20) †Rort, Lucile (Jun.)	D.C. D.C. Mont. Wash. Ill.
Robinson, Arturo Henry (Univ.) Robinson, Carleton Arthur (Jun. 18) Robinson, Cecil Fales (Law I) A.B. 1931, Colby College	D.C. D.C. D.C.	†Rose, Lael Tench (Univ.) †Rose, Mary Elizabeth (Law, LL.M.) A.B. 1934, LL.B. 1936, The George Washington University	Ill. Ill.
†Robinson, Elizabeth L. (L.S. 90) A.B. 1933, Erskine College Robinson, Harry Joseph (Law II) A.B. 1911, University of Nevada M.B.A. 1914, Stanford University	S.C. Nev.	Rose, Morton Harold (Jun. 18) Rose, Norman (Jun. 16) Rose, Walter Deane (Jun.) Roseberry, Ruthfrances Patricia (Univ.) †Rosemond, Elsie T. (Univ.)	D.C. D.C. D.C. Va. Fla.
†Robinson, Joe Adams (Univ., Grad., Ph.D.) B.S. 1915, University of Oklahoma A.M. 1917, The George Washington University	Okla.	†Rosemond, St. Julius Palmer (Law I) Roseberry, Charles Irving (Med. III) B.S. 1924, University of Maryland A.M. 1930, The George Washington University	D.C. D.C.
Robinson, Lee Morgan (Law II) B.S. 1916, Catholic University of America	D.C.	†Rosenberg, Leo (Jun. 18) Rosenberg, Morris Hurd (Med. I) Rosenberg, Theodore (Univ.) Rosenfeld, Charlotte (Jun. 27) †Rosenfeld, Telford Robert (Jun.) Rosenfeld, Maurice J. (Law I) B.S. 1917, University of Oregon	D.C. D.C. D.C. D.C. D.C. D.C.
Robinson, Martha Ione (Jun.) Robinson, Melvin Alexander (Jun. 6) Robinson, Murray (Law I) B.S. in E.E. 1936, Worcester Polytechnic Institute	D.C. D.C. N.Y.	Rosenfeld, Sidney (Col. 82) Rosenzweig, Stanley Harold (Govt. 60) Rosenzweig, Joseph Reuben (Univ.) †Rosey, Jack (Jun.) Rosey, Jerry Arnold (Jun. 34) Rosner, Harry (Law I) A.B. 1931, A.M. 1932, Cornell University	N.Y. D.C. D.C. D.C. D.C. N.Y.
Robinson, Richard Harden (Jun. 54) †Robinson, Roberta Watson (Univ.) Robinson, Tom Morris (Jun. 38) Robison, George Hamilton, Jr. (Univ.)	N.Mex. D.C. N.Mex. N.Y.		
†Roca, Paul M. Leuman (Law II) A.B. 1917, University of Arizona	Ariz.		
Rocca, Maria Tinto (Jun. 51) Rocanti, Edgar John (Fig. 42) Rockelle, William Jennings, Jr. (Law I)	Va. D.C. Tex.		
Rockheld, Rosanna Grace (Jun.) †Rodd, Elinor Ruth (Jun.) Roden, Donald C. (Jun. 41/24)	Mo. D.C. D.C.		
†Rodgers, Kathryn Shale (Ed. 108) Rodibaugh, Mary Louise (L.S. 62) Rodriguez, Luis Octavio (Jun. 56)	Utah D.C. N.J.		
Ree, Edward Thomas (Col., A.M.) B.S. 1933, The George Washington University	P.R. La.		

Rosell, Leo (Univ.; Col., Uncl.)	D.C.	†Russell, Gerald Walter (Jun. 17)	Mo.
B.M.E. 1928, Northeastern University		Russell, Hazel (Univ.)	Tenn.
I.L.B. 1912, The George Washington University		†Russell, Helen Elizabeth (Jun. 1)	Pa.
†Ross, Michael Francis (Jun.)	N.J.	Russell, Paul Ray (Law, LL.M.)	D.C.
†Ross, Allen Murray (Univ.)	Ariz.	A.B. 1924, LL.B. 1924, The George Washington University	
Ross, Dee Claude (Eng.)	Va.	†Russell, Ruby Kathleen (Univ.)	D.C.
Ross, Dorothy (Univ.)	D.C.	†Russell, Marygrove (Jun. 5)	Ill.
Ross, John Wilcox (Univ.)	Mich.	Russell, Ruth Ladd (Univ.)	Md.
Ross, Vernon Bishop (Jun. 32)	S.C.	B.S. 1923, Wilson Teachers College	
†Ross, Winifred Nichols (Col. 109)	Mich.	Russell, Stanton Best (Jun.)	D.C.
†Rossi, Fumina Mary (Jun.)	Conn.	Russell, Stanton H. (Jun. 45)	Okla.
Roth, Regina A. (Jun. 22)	Mo.	*Russell, Carl (Col. 123)	D.C.
†Rothberg, Belle (Univ.)	N.Y.	Ryan, Peg Mary (Univ.)	N.Y.
Rothberg, Allan (Jun. 30)	D.C.	†Ryder, Lois Olive (Jun. 48)	Ohio
Rothrock, Dale La (Jun. 31)	Iowa	Ryan, Anna Berovic (Jun. 23)	D.C.
Rothrock, John Blaine (Jun. 18)	Colo.	Ryerson, Robert Wallace (Jun.)	Kans.
Rottenberg, Simon (Jun. 68)	R.I.		
Roudabush, Howard Glenn (Jun. 10)	D.C.		
Rounsaville, James Heidis (Law II)	Tex.		
B.B.A. 1911, University of Texas			
Rourke, Anne Marie (Law I)	N.Y.	†Saari, Helen Juliet (Jun. 10)	Minn.
A.B. 1932, College of New Rochelle		†Sabatino, Lawrence James (Jun. 41)	N.Y.
Rouse, Gauss Owen (Univ.)	N.Mex.	†Sabin, Archie R. (Col., A.M.)	Tenn.
B.S. 1934, University of New Mexico		A.B. 1911, Columbia University	
Rouse, Harrison V., Jr. (Eng. 35)	Md.	Sachs, August Frederick (Eng. 65)	D.C.
Rovner, Louise Miriam (Govt., A.M.)	N.J.	*Sachs, Cecelia Silver (Ed., A.M.)	D.C.
B.S. 1934, New Jersey College for Women		A.B. 1925, The George Washington University	
Rowe, E. Romayne (Law II)	Wis.	Saege, Wilbur Gustav (Jun. 27)	Ill.
A.B. 1927, A.M. 1928, University of Wisconsin		Saegmuller, Marion Jane (Col. 102)	D.C.
Rowe, Gladys (Univ.)		Saper, William Frederick	
†Rowell, Russell (Jun. 31)	N.C.	(Jun. 64; Col.)	D.C.
†Rowen, Irene Georgianna (Jun. 26)	D.C.	Saidman, Aaron Gilbert (Med. II)	D.C.
Royall, Helen Louise (Jun.)	D.C.	B.S. 1926, The George Washington University	
Rozanski, Bernard (Jun. 60; Col.)	D.C.	Sailor, Hobart Andrew (Law, LL.M., Univ.)	Ohio
Rubenstein, Jacob H. (Law III)	Va.	Graduate 1918, U. S. Naval Academy	
B.S. 1916, Columbia University		†L.I.B. 1926, The George Washington University	
†Rubenstein, Samuel David (Jun., Uncl.)	D.C.	St. James, Robert Grier, Jr. (Univ.; Govt. 9736)	D.C.
†Robin, Dan (Jun.)	Calif.	Sakellaris, Olympia Helen (Jun.)	D.C.
†Robin, Harold Howard (Jun. 43)	Ill.	Sale, Sally Jones (Jun.)	D.C.
†Rubinstein, Bernard (Law I)	N.Y.	Salsbury, Marguerite Virginia (Jun.)	Va.
B.S. in M.E. 1912, New York University		Salskeld, Edward Eugene (Jun. 9)	D.C.
Rueler, Elmer Parks (Jun. 126; Col.)	D.C.	Salskud, Milton (Jun. 30)	Del.
Rudberg, Harry Charles (Law III)	Pa.	Salmon, Harry Irwin (Jun.)	Pa.
B.S. 1932, Franklin and Marshall College		Salmon, Mary Jane (Univ.)	Va.
Rudlock, Ruth (Jun. 12)	D.C.	Salsbury, Harry Jefferson (Law I)	Mo.
Ruder, Robert (Jun. 61)	N.Y.	B.S. in Ed. 1934, Missouri Teachers College (Central)	
Ruston, Edward Alan (Law I)	D.C.	Saltorelli, Armand Joseph (Ed. 12736)	Minn.
A.B. 1935, Columbia University		Sales, Arthur (Jun. 48)	D.C.
Ruffin, Joseph Vincent (Univ.)	D.C.	Samay, Luna, Salvador D. (Jun.)	D.C.
Ruffner, Ralph Windsor (Ed., A.M.)	D.C.	Sammons, Robert Lee (Jun. 7573; Cal.)	Minn.
A.B. 1935, University of Maryland		Samphat, Shadrack (Phar. 78)	India
†Ruppiero, Margaret F. (Jun.)	D.C.	A.B. 1911, The George Washington University	
Rule, Walter Edwin (Law III)	Va.	Sampson, Justine Ware (Jun. 12)	D.C.
B.S. 1930, M.S. 1930, University of Colorado		Sampson, Victor John (Jun. 57)	Ill.
Rumerman, Herbert (Jun. 67)	D.C.	Sams, James Max (Med. I)	Tenn.
Rumshin, Robert (Jun. 26)	Va.	A.B. 1917, University of Tennessee	
Ruppert, Mary Clare (Col. 91)	D.C.	†Samson, Chester Page (Jun.)	Okla.
†Rusch, Louis Edward (Univ.)	D.C.	Samuel, Jay Loeb (Govt. 66)	D.C.
B.S. 1914, New York University		Samulon, Dirk (Univ.)	D.C.
Rush, Donald Wesley (Jun. 44)	Mich.	Sandberg, Carl Ivar (Eng. 12)	D.C.
†Russell, Dorothy Florence (Univ.)	D.C.	Sander, Martin August (Med. III)	N.Y.
B.S. 1934, Wilson Teachers College		A.B. 1932, University of Illinois	
Russell, Fielding Dillard (Grad., Ph.D.)	Ga.	†Sanders, Genevieve (Jun. 12)	Okla.
A.B. 1929, A.M. 1930, University of Georgia			
Russell, Frederick William (Jun.)	D.C.		



Sanders, Zack Witten (Med. I)	W.Va.	Scheer, Margaret Ernestine (Jun. 62)	Iowa
A.B. 1915, University of North Carolina		Schellenberg, Milton Alexander (Jun. 36)	D.C. Ill.
†Sanderson, Alice Irene (Ed. 119)	D.C.	Schenck, Jay Ruffner (Grad., Ph.D.)	
Sanderson, Mildred (Ed., A.M.)	D.C.	B.S. 1916, M.S. 1917, University of Illinois	Va. D.C.
B.S. 1931, Missouri State Teachers College (Northwest)		Schepmoes, Douglas Fox (Jun. 62)	
Sandler, Julius (Jun. 30)	D.C.	Schick, James Peter, Jr. (Law I)	D.C.
Sandler, Melvin (Jun.)	D.C.	A.B. 1916, Lafayette College	D.C.
Sandmire, Marion Monfried (Col., A.M.)	N.Y.	Schiering, Harold (Jun. 57)	N.Y.
A.B. 1930, Hunter College		Schiff, Morris (Law I)	
Sandval, Ernest Urbano (Jun. 61; Law I)	Colo. D.C.	A.B. 1914, New York University	Pa.
†Sands, Wilhelmina Fant (Univ.)		Schildecker, Charles Bushfield, Jr. (Law II)	
A.B. 1914, Winthrop College		B.S. in M.E. 1935, University of Pittsburgh	D.C. Nebr. D.C. D.C.
Sandusky, Bernard Mortimer (Jun. 18)	N.Y.	†Schiller, Dorothy (Univ.)	
Samster, George Edward (Eng. 69)	D.C.	†Schlaifer, Norman Sam (Jun. 27)	D.C.
Samster, Harold Lee (Eng. 93)	D.C.	†Schleicher, Elizabeth Pauline (Jun. 69)	D.C.
Sannebeck, Norville Harrison (Law III)	Mo.	Schleicher, Richard Paul, Jr. (Univ.)	
L.L.B. 1931, The George Washington University		Schlesinger, Herbert Irving (Col. 1925; Law I)	Ill. Va.
Santana, Paul (Univ.)	D.C.	Schlesinger, Julius Y. (Univ.)	Nebr. D.C.
Sanwick, Paul Barnbridge (Jun.)	Wis. Ill.	Schlichtig, William Joseph (Univ.)	D.C.
†Sapp, Carl Robert (Jun. 57)	Ind.	†Schloss, Toba (Col. 84)	D.C.
†Sappenfield, Keith Myles (Jun. 24)	D.C.	Schlossberg, Aaron Samuel (Jun.)	D.C.
Sappington, Albert Osborn (Jun.)	Maine	Schlossberg, Leon Gershon (Univ.)	D.C.
†Sarelakos, Louis Cornelius (Univ.)	Va.	Schmeltzer, John Emile, Jr. (Jun.)	N.Y.
Sargent, Lewis (Univ.)	D.C.	Schmelter, Samuel (Law I)	
Sargent, Collier Thornhill (Univ.)		B.S. 1911, M.S. 1915, College of the City of New York	D.C.
A.B. 1922, A.M. 1923, The George Washington University		Schmidt, Frank Wahlen (Univ.)	D.C.
Sarnacki, Wanda Laura (Jun. 27)	W.Va.	Graduate 1916, U. S. Naval Academy	
†Sartice, Fred Peter (Jun. 28)	Calif. D.C.	Schmidt, John Ferdinand (Law I)	D.C.
Sartwell, Mary Katherine (Jun.)	D.C.	B.S. 1915, University of Michigan	Mich.
†Satterthwaite, Elma Adaline (Jun.)	Ohio	†Schmidt, Martha Rowlett (Univ.)	
†Sayer, Walter Charles (Law, L.L.M.)	N.J.	A.B. in Ed. 1915, A.B. in L.S. 1917, University of Michigan	Mo. N.J.
A.B. 1928, Princeton University		Schmidt, Miriam Elizabeth (Law II)	
L.L.B. 1931, Yale University		Schmidt, Regina Marie (Univ.)	
†Saums, Margaret Elizabeth (Col., A.M.)	D.C.	B.S. 1913, The George Washington University	D.C. Mich.
A.B. 1923, Columbia University		Schmidt, Sylvia Ruth (Jun.)	
†Saunders, William Benjamin (Univ.)	Va.	Schmiege, Frank Wilfred (Law I)	
A.B. 1926, Virginia Military Institute		A.B. 1916, Michigan Western State Teachers College	Mich.
A.M. 1911, University of Virginia		Schmitt, Barbara Ann (Jun.)	Mich.
†Sawmelle, Stanley Adrian (Univ.)	N.Y.	Schmitt, Karl, Jr. (Cal. 91)	D.C.
Saxton, Louis Manly (Jun.)	D.C.	†Schmitt, Waldo Ernest (Jun. 61)	Mich.
†Saylor, Lawrence Webster (Grad., Ph.D.)	Calif.	Schmuckler, Evelyn (Jun.)	Nebr. D.C.
B.S. 1914, M.S. 1915, University of California, Berkeley		†Schmuel, Dorothy Helen (Jun.)	
†Schaeffer, Carol Johnson (Univ.)	D.C.	Schneider, Adolph Piening (Law I)	
Schafer, L. Arnold (Jun. 39)	D.C.	Graduate 1917, U. S. Naval Academy	D.C.
Schafer, Paul Samuel (Col., A.M.)	Pa.	Schneider, Floyd Joseph (Med. II)	
B.S. 1915, The George Washington University		B.S. 1916, Georgetown University	Iowa Va.
Schaper, Lillie Wilhelmina (Govt., A.M.)	Ariz.	†Schneider, Pauline (Govt. 70)	
B.S. in Ed. 1920, University of Arizona		Schneider, Robert H. (Law II)	
Schapiro, Mark Meyer (Med. IV)	Panama	A.B. 1917, The George Washington University	Conn. D.C. Va.
A.B. 1914, Johns Hopkins University		Schnitman, Edward Perry (Col. 90)	
Scharr, George Woodrow (Jun.)	Va.	Schoeffel, Marcia Briggs (Jun. 46)	D.C.
Scharringer, Anna (Col., A.M.)	Mich.	Schoen, William Jacob (Jun.)	D.C.
B.S. 1937, The George Washington University		†Schoenfeld, Martha Wills (Jun. 21)	Pa.
Schauble, Mabel (Jun. 30)	Mass.	†Scholze, Ellen G. (Univ.)	N.Y.
Schayer, Richard William (Jun. 56)	D.C.	Schoofeld, Milton (Ed., A.M.)	
Scheela, William Myron, Jr. (Jun. 12)	Minn.	B.S. 1917, The George Washington University	D.C.
†Scheer, Albert George, Jr. (Jun. 50)	Ind.	Schooler, Jack (Jun. 33)	Va.
		Schoolfield, James Edward (Eng. 11)	D.C.
		†Schoolfield, Lucille Dillard (Ed. 102)	D.C.
		Schoyen, Axel (Jun.)	



Students Registered

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†Schreiber, Dora Miller (Univ.) B.S. 1918, University of Cincinnati	D.C.	Scott, Marian Emma (Ed., A.M.) A.B. 1917, The George Washington University	Md.
Schreiber, Henry Richard (Jun. 39)	D.C.	Scott, Norman Thompson (Law I) A.B. 1917, Maryland College	N.Y.
†Schreiber, Hellos William (Jun. 54)	Tex.	Scott, Thomas Howard (Law II) A.B. 1911, University of Colorado	Colo.
Schreiber, Mary Alice (Jun.)	D.C.	Scott, Thomas Owen University (Scott, Patricia Grace) (Jun.)	Ky.
†Schubert, Coralie Williams (Univ.) A.B. 1915, Baker University	Kans.	Seaton, C. F. Zebert (Univ.)	D.C.
†Schuermann, Ula Calvert (Univ.)	Va.	†Seaton, Marion Edmonson (Law I)	D.C.
Song, Loretta Catherine (Jun. 60)	N.Y.	Seaton, Gordon Hays (Univ.)	D.C.
Schulmann, Shadrach (Oct. 58)	Calif.	†Seabrooke, William Harvey (Univ.)	Okla.
Schulman, Cyril Augustus (Col. 94)	D.C.	Seal, Charles Bernard (Law III) A.B. 1913, A.M. 1914, Butler University	Ind.
*Schuit, Verna May (Col., A.M.) A.B. 1911, The George Washington University	Wis.	Seals, Marian Callumate (Jun. 51)	D.C.
†Schult, Aeryl Gladys (Univ.) A.B. 1927, University of Wisconsin	Wis.	†Seaton, Dorothy Lynn (Col. 63)	D.C.
Schulte, Charles Anthony (Jun. 53)	D.C.	Seaver, William Lauren (Jun. 24)	D.C.
Schulte, Rowland Wingfield (Eng. 11)	D.C.	Seavey, James Herbert (Col., A.M.) LL.B. 1911, LL.M. 1913, George Washington University	Pa.
†Schultz, Clarence H. (Law I) B.S. in Ed. 1929, University of Minnesota	Minn.	Seay, Boyd Allen (Jun.)	D.C.
†Schultz, Helen Emma (Univ.) Schultz, Helen Houser (Univ.) B.S. 1929, A.M. 1931, George Washington University	D.C.	Seay, Charles Howard (Law III) A.B. 1924, University of Maryland	D.C.
Schultz, William Richard (Med III) A.B. 1911, College of Wooster	Ohio	Schels, Keith George (Law I)	Kans.
†Schulze, Elizabeth Louise (Univ.)	D.C.	See, Henry Samuel (Univ.)	D.C.
Schwabacher, Jack (Jun. 60)	Neb.	†Seeger, Walter Francis (Jun. 27)	Neb.
Schwartz, Francis Allen (Ed., Ed D) A.B. 1916, University of Missouri B.S. in Eng. 1921, M.E. 1923, University of Hanover, Germany B.S. in Com. 1927, University of Cincinnati	D.C.	†Seegers, Walter William (Univ.)	D.C.
AM. 1935, University of Maryland		†Seewald, Fred Chester (Univ.) B.S. 1915, North Carolina State College	N.C.
Schwartz, Bella (Jun. 15)	D.C.	Seignish, Stanley Michael (Jun. 27)	D.C.
Schwartz, Harry (Med I) A.B. 1917, The George Washington University	N.Y.	†Seidel, David Louis (Univ.)	D.C.
†Schwartz, Philip Leaman (Jun. 48)	D.C.	Seier, James William (Col. 60)	D.C.
Schwartz, Silvia (Jun. 1)	D.C.	Selch, Marian Hughes (Univ.)	D.C.
†Schwartz, Sylvia B. (Govt. 68)	N.Y.	A.B. 1921, A.M. 1927, The George Washington University	
Schwartzbach, Eleanor (Law I) A.B. 1912, Hunter College	Pa.	†Selgeson, David (Jun. 64)	Pa.
Schwartzman, Beatrice Harrow (Jun. 24)	D.C.	Seil, Leone Angeline (Univ., Ed. 78)	Wis.
Schwartzman, Murray (Jun.)	D.C.	Sells, Oscar Homer (Law II) A.B. 1913, A.M. 1914, American University	D.C.
†Schwartz, Edwin Paul (Univ.)	D.C.	Selove, Louis Charles (Jun. 9)	Ill.
Schwimmer, Sigmond (Jun. 42)	D.C.	†Selzer, Morris (Jun. 54)	Nev.
Seefeld, Francis (Col., A.M.) B.S. 1911, Lehigh University	Ohio	†Sennett, Esther Beulah (Jun.)	N.Y.
Seefeld, Katharine Heer (Jun. 51)	Md.	Sentz, Nancy Harrison (Jun. 61)	Va.
†Scott, Eldon K. Moore (Jun. 12)	Ky.	Sope, Benito Hassan (Univ.)	D.C.
Scott, Embry Giles (Law I) A.B. 1917, Hampden Sydney College	Va.	Sossford, M. Claire (Univ.)	D.C.
Scott, Emily (Jun.)	Calif.	Settle, Cooke (Eng. 108)	Tenn.
Scott, Esther Webb (Ed., Ed D) A.B. 1926, The George Washington University	Md.	Settle, Russell (Col., A.M.) B.S. 1917, The George Washington University	W.Va.
A.M. 1934, Columbia University		Sevely, Marvin (Jun.)	D.C.
Scott, Francis Delvan (Jun. 68)	D.C.	*Seversmith, Herbert Furman (Col., A.M.) B.S. 1915, The George Washington University	D.C.
Scott, Frederic M., Jr. (Jun. 34)	Calif.	†Severy, George Robert (Jun. 9)	Mich.
†Scott, Hoyle Uley (Univ.) B.S. in E.E. 1914, Duke University	D.C.	†Severy, Grace Bly (Univ.)	D.C.
Scott, Jacqueline Edwina (Jun.)	Md.	Sewell, Rose Langfellow (Ed., A.M.) B.S. 1928, University of Maryland	Md.
Scott, James Murray (Med I)	D.C.	Sevdel, Morris Monroes (Law II)	Colo.
†Scott, Jeannine Ellen (Univ.)	D.C.	†Shelbman, Bella Evelyn (Univ.)	N.C.
†Scott, John W. (Univ.) LL.B. 1916, Valparaiso University	Ind.	A.B. 1917, Woman's College of the University of North Carolina	
Scott, Letha Marcella (Law I & Col. 86)	Ill.	†Shaffer, Andrew Thomas (Jun.)	D.C.
†Scott, Madine Frances (Jun.)	Va.	*Shaffner, Helena Morrison (Col. 112)	Md.
		†Shah, Frank (Jun. 18)	D.C.
		Shatanfelt, Dorothy Marie (Col. 90)	D.C.

Shanard, John M. (Law I) A.B. 1935, University of South Dakota	S.Dak.	Sherburne, Eleanor Estelle (Jun.) Sherfy, Laurence Polkholm (Govt., A.M.)	Md. D.C.
Shane, Kenneth V. (Law I)	Ill.	A.B. 1933, L.L.B. 1936, The George Washington University	
†Shaner, Orpha Holland (Jun. 3)	D.C.	L.L.M. 1937, Harvard University	
†Shank, Donald Jay (Col., A.M.) A.B. 1931, University of Akron	D.C.	Sherfy, Raphael (Law, L.L.M., Govt., A.M.)	D.C.
Shannon, Donald Clark (Jun. 20)	Md.	A.B. 1933, L.L.B. 1936, The George Washington University	
Shapiro, David Theodore (Univ.)	D.C.	L.L.M. 1937, Harvard University	
Shapiro, Dora (Univ.)	Ill.	†Sheridan, Winifred Lorraine (Univ.) A.B. 1934, Columbia University	N.Y. D.C.
†Shapiro, Edythe Kiele (Jun.)	Pa.	Shetter, Martha Strayer (Jun. 84, Col.) Sherk, Grant Rhoads, Jr. (Jun.)	D.C. Pa.
†Shapiro, Eugene (Ed. 101)	Md.	Sherman, Bertha Antoinette (Law I) B.S. 1934, Pennsylvania State Teachers College, West Chester	
Shapiro, Harry G. (Law II) B.S. in Eng. 1937, The George Washington University	S.Dak.	Sherman, Falk Elliott (Jun. 16) †Sherman, Oscar Louis (Univ.) B.S. 1937, The George Washington University	D.C. D.C. Mass.
†Shapiro, Herbert (Col. 73½)	N.J.	Sherman, Paul Dwight (Law II) B.B.A. 1932, Boston University	
Shapiro, Morris Lewis (Phar. 96)	D.C.	Sherrill, George Lewi, Jr. (Univ.)	Ala.
Sharp, Charlotte Dean (Govt., A.M.) A.B. 1937, Connecticut College	Ohio	†Sherrill, James Harold (Govt., A.M.) A.B. 1932, The George Washington University	Nebr.
Sharp, Robert Keith (Law II) B.S. in Eng. 1935, The George Washington University	Wash.	†Sherrill, George L., Jr. (Univ.) †Sherrill, Laverene H. (Ed. 93)	Ala. Wis.
Sharpless, Norman Edward (Jun. 7)	D.C.	†Sherwood, William U. (Law I) A.B. 1936, University of Chicago	
Shartsis, Leo (Col., A.M.) B.S. 1928, College of the City of New York	N.Y.	Shewmaker, Russell Newton (Law II) Shoya, George Paul (Jun. 33)	D.C. D.C.
Shaull, George Travers (Jun. 12)	D.C.	†Shidaker, Paul Bern (Jun. 12)	Mo.
Shaver, Karl (Law III) B.S. in E.E. 1931, Kansas State College of Agriculture and Applied Science	D.C.	Shillett, Vance (Col. 98½)	N.Y.
Shaw, Edgar Monroe, Jr. (Eng. 61)	Mo.	Sholland, William Robert (Jun. 12)	D.C.
Shaw, Margaret Ruth (Ed. 81)	Pa.	Shump, James Harrison (Col. 91)	D.C.
Shaw, Thomas Martin (Col., A.M.) B.S. 1936, The George Washington University	Va.	†Shurker, Marceline Gwyneth (Ed. 85½)	Mich.
†Shawen, Russell T. (Eng. 90)	Ill.	†Shurker, Vagel John (Jun. 36)	Pa.
Shear, TenEyck Wigforss (Law I) B.S. in M.E. 1933, University of Illinois	D.C.	Shurey, Ronald Leedom (Jun. 10)	Pa.
Sheard, Cary Wolcott (Govt. 109)	D.C.	Shurley, Frank Hopewell (Univ.)	D.C.
Shearer, Margaret Ann (Univ.)	Iowa	†Shurley, James Dallas (Ed., A.M.) B.S. 1936, The George Washington University	
Shearer, Paul Victor (Jun. 23)	D.C.	Shockey, Joseph Adolph Wilson (Univ.)	Va.
Shearman, Helen (Col., A.M.) A.B. 1925, Wellesley College	Md.	†Shook, Teresa Estill (Univ.)	Ala.
Shearon, William (Univ.)	Mo.	†Shoeman, Eli (Jun. 34)	Pa.
†Sheets, Jesse Eugene (Col. 81)	Utah	Short, James John (Jun. 45)	Mass.
†Sheffield, Elbert J. (Law I) A.B. 1934, University of Utah	D.C.	†Shoub, Rose (Univ.)	D.C.
†Sheldon, Ruth (Univ.) B.S. 1920, University of Nebraska A.M. 1928, Columbia University	Tenn.	Shouse, Merle (Univ., Law I) A.B. 1935, Hendrix College	Ark.
Shelton, Hugh Todd (Law I) A.B. 1937, University of the South	D.C.	†Showalter, Albert Kenneth (Univ.) A.B. 1928, Columbia College of Iowa	D.C.
†Shelton, Martha Holland (Jun.)	Conn.	Shrodes, Catherine May (Univ.)	D.C.
†Shepanski, Max (Jun. 6)	Fla.	Shuford, Virginia (Univ.)	Tex.
Shepard, Dora (Col., A.M.) A.B. 1922, Florida State College for Women	Fla.	Shull, Banks Edwood (Jun.)	Pa.
Shepard, George Quinn (Ed., A.M.) A.B. 1931, Columbia University	Fla.	Shull, Lewis Frederick (Law I) A.B. 1938, Nebraska State Teachers College, Chadron	Nebr.
Shepard, Lily Lykes (Col. 84)	Md.	†Shulman, Augusta Ethel (Univ.) Shulman, Jack (Jun. 66)	D.C. D.C.
Shephard, Charles Perry (Col., A.M.) A.B. 1937, The George Washington University	D.C.	†Shuman, Dora (Univ.) Shurman, Svdney Joseph (Law II & Col. 94)	D.C. D.C.
†Shepherd, Richard Thomas (Univ.)	Va.	Shupp, Doris Lucille (Jun. 47)	Md.
Shepherd, Warren Dee (Eng. 57)	Utah	Shuttle, Dwight Edward (Eng. 166)	D.C.
Sheppa, Milton Albert (Eng. 115)	Pa.	Sickler, Margaret Maxwell (Med. IV) A.B. 1935, The George Washington University	
Sheppard, Helen Bailey (Col. 98)	D.C.	†Sidman, Charles Julius (Jun. 18)	D.C.
Sheppe, Frank William (Jun.)	D.C.		

Students Registered

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Sieg, Mildred Catharine (Govt. 108)	Pa.	Sizoo, Joseph Alexander (Law III)	Calif.
Siegel, Alfred Constant (Univ.)	N.Y.	A.B. 1934, The George Washington	
Siegel, Benjamin (Univ.)	D.C.	University	
Siegest, Marie Louise (Univ.)	D.C.	Skagas, Bruce (Jun. 27)	Ohio
A.B. 1932, A.M. 1934, The George		†Skell, Ralph Lloyd (Jun.)	Va.
Washington University		Skinker, Beatrice Virginia (Jun.)	D.C.
†Siffert, Florence D. (Univ.)	Iowa	Skinker, Dudley Graham (Law I)	D.C.
A.B. 1930, Grinnell College		†Skinner, Arnold Lee (Univ.)	Tex.
A.M. 1932, University of Illinois		B.B.A. 1930, University of Texas	
Siggers, Edward Gregory (Eng. 74)	D.C.	Skinner, Robert Conklin (Jun. 16)	D.C.
Siggers, Marion Colling (Jun. 6)	D.C.	†Skinner, Wade Hampton (Jun. 9)	D.C.
†Sil, Alver Emanuel (Jun. 27)	Mich.	†Skinner, Winona (Jun. 33)	Ala.
†Silberman, Harold Edward (Jun. 9)	N.Y.	Skolianik, Helen Elizabeth (Jun. 6)	Conn.
Silbert, Anne (Univ.)	N.Y.	Skoosen, Wilard Cleon (Law II)	Calif.
Silkowitz, Sidney (Jun. 62)	N.Y.	†Skwira, Richard Arthur (Jun.)	N.Y.
Silman, Irma Iris (Jun.)	N.Y.	†Slackman, Ruth (Jun.)	D.C.
Silverman, Rose Lee (Jun. 31)	Pa.	†Slader, Guy Charles (Jun. 12)	Nebr.
Silverstone, Felix Abraham (Jun. 32)	D.C.	†Slater, Thomas Charles (Jun.)	D.C.
Silverstone, Rosalie Judith (Jun.)	D.C.	†Slater, Merle Vernon (Jun. 13)	N.Y.
Sime, Robert McCormick (Eng. 77)	D.C.	Slater, Susan Patricia (Col. 90)	D.C.
Simmers, Richard (Eng. 101)	D.C.	Slattery, John B. (Univ.)	La.
Simmons, Arthur Thomas (Jun. 18)	N.Y.	Slebos, Gerard Bernard (Jun. 12)	Ill.
Simmons, Fredna Earle (Jun. 28)	Miss.	†Sligh, Evelyn Claire (Ed., A.M.)	Va.
Simmons, John Frederick (Col. 97)	Kans.	B.S. 1916, Wilson Teachers College	
Simmons, Judson (Univ.)	D.C.	Sloan, Kenneth Loy Hamilton (Law I)	Ill.
†Simons, Abraham H. (Jun.)	N.Y.	Ph.B. 1912, University of Chicago	
†Simowitz, Abraham David (Col., A.M.)	N.Y.	Slye, Madaline Hesse (Ed. 86)	D.C.
A.B. 1936, Brooklyn College		Smagala, Thaddeus Milton (Jun. 3)	Mo.
†Simpson, Archie Duane (Jun. 16)	Ala.	Small, Leonard (Univ.)	D.C.
Simpson, Berry Barber (Col. 86)	D.C.	Smalling, Evelyn Beatrice (Jun. 9)	Iowa
†Simpson, Dorothy (Univ.)	Fla.	Smallwood, Hazel Marie (Jun. 42)	D.C.
Simpson, Elizabeth Thierk (Col., A.M.)	N.Y.	Smart, Herbert Frank (Law III)	Utah
A.B. 1935, Columbia University		Smith, Adrian Charles (Jun. 12)	D.C.
†Simpson, Embrey Ligon (Jun. 30)	Va.	Smith, Alan Adelbert (Jun.)	D.C.
Simpson, Faust Young (Law III)	Ky.	Smith, Andrew Jackson, Jr. (Jun. 60)	Tenn.
†Simpson, Mary Katherine (Univ.)	Va.	Smith, Andrew Leonard (Med. I)	Pa.
Simpson, Thomas Will (I.S., Uncl.)	Miss.	Smith, Anna Ethel (Ed. 92)	Ill.
A.B. 1929, College of Wooster		Smith, Ardis Adela (Univ.)	Iowa
†Simpson, Virginia Lang (I.S., Uncl.)	N.C.	A.B. 1923, L.L.B. 1927, L.L.M. 1929,	
A.B. 1911, Meredith College		The George Washington University	
†Sims, Edwin Walker (Jun.)	D.C.	Smith, Barbara Crawford (F.A., Uncl.)	N.Y.
Sims, Norman Wade, Jr. (Govt. 95)	Va.	Smith, Bert Page (Jun. 42)	Ark.
†Singellary, Marion Pitt (Univ.)	Fla.	Smith, Burton Glancy (Jun.)	D.C.
Singer, Claire Angela (Jun.)	N.J.	†Smith, Campbell T. (Univ.)	Pa.
Singer, Edward Jay (Jun. 42)	Wis.	Smith, Carl H., Jr. (Jun. 96, Govt.)	Ill.
Singer, George (Univ.)	Iowa	Smith, Carl Harrison, Jr. (Eng. 96)	W.Va.
A.B. 1928, Morningside College		†Smith, Carrie Weaver (Univ.)	Md.
Singer, Joseph R. (Col. 74)	N.Y.	Smith, Carroll Newton (Grad., Ph.D.)	D.C.
Singer, Myrtle (Jun.)	N.I.	A.B. 1932, A.M. 1934, The George	
†Singletary, Alice Caroline (Univ.)	Ga.	Washington University	
A.B. 1936, Randolph-Macon		Smith, Charles Edward (Med. I)	D.C.
Woman's College		†Smith, Charles Elmo (Govt., A.M.)	Utah
Sipes, James Smeon (Jun.)	Va.	B.S. 1912, Utah State Agricultural	
Sipes, John William (Jun.)	Va.	College	
Sipkin, Chester (Law II)	N.Y.	Smith, Clarence F. (Col., A.M.)	Calif.
Sirany, Philip E. (Med. IV)	Pa.	A.B. 1934, University of California,	
†Sirota, Emily Sophia (Jun.)	D.C.	Berkeley	
†Sisk, Ruth (Jun. 24)	D.C.	Smith, Clyde Willard (Law I)	Ill.
†Sisk, Robert J. (Univ.)	Pa.	A.B. 1937, The George Washington	
Sislen, Dorothy Sylvia (Jun.)	D.C.	University	
†Sister, Donald Grant (Jun. 24)	D.C.	†Smith, Derryfield Nathaniel (Govt.,	
†Sisselwine, Norman (Eng. 36)	N.Y.	A.M.)	Utah
Sisson, Clinton Carroll (Jun. 84, Govt.)	D.C.	A.B. 1917, The George Washington	
Sisson, Harold Edward (Med. IV)	Va.	University	
†Sitteraves, Rosalind (Col., A.M.)	Pa.	†Smith, Elmer Jenkins (Jun. 12)	Utah
A.B. 1915, Wilson College		Smith, Everard Hall (Jun.)	D.C.
†Sitter, Jeanette (Univ.)	D.C.	Smith, F. Willis (Med. IV)	N.J.
A.B. 1923, University of Michigan		Smith, Francis DeSales (Univ.)	D.C.
A.M. 1932, Columbia University		Smith, Francis Milton (Law I)	S.Dak.
Sizemore, Claude (Eng. 14)	Ala.	A.B. 1916, Aaristana College	
B.S. in M.E. 1929, Alabama		Smith, Frederick Theodore (Jun. 42)	N.J.
Polytechnic Institute		Smith, George Eugene (Jun. 33)	Kans.



†Smith, Gerald Gay (Law II)	Utah	†Smithson, Frederick George (Jun.)	Md.
B.S. 1931, University of Utah		Smoot, Albert Parkinson (Law I)	Utah
Smith, Gordon Mardock (Jan. 27)	D.C.	B.S. 1937, University of Utah	
Smith, Gentry R. (Law III)	D.C.	Smoot, John Daniel Kurtz, Jr. (Law I)	Va.
A.B. 1935, The George Washington University		Smoot, William Sutherland III (Univ.)	Va.
Smith, H. Albert (Law I & Col. 85)	Mo.	Smyle, William Beverly (Eng. 62)	Ohio
Smith, H. H. Allen (Col. 102)	Ga.	Snedeker, James (Law I)	Ga.
Smith, Harold Clair (Law II)	Pa.	Graduate 1925, U. S. Naval Academy	
A.B. 1934, Pennsylvania State College		†Snedeker, Ruth Victoria (Univ.)	Pa.
†Smith, Helen Madgett (Col., A.M.)	Ind.	Snipes, James Edward, Jr. (Eng.)	Pa.
A.B. 1935, The George Washington University		†Snitelhurst, Katherine Hilda (Jun.)	Okla.
†Smith, Ivan Douglas (Govt., A.M.)	D.C.	Snively, Joseph Spruce (Jun.)	Va.
B.S. 1942, Utah State Agricultural College		†Snively, Minerva Aldys (Univ.)	Ohio
Smith, J. Wesley (Law I)	W.Va.	Snook, Lee B. (Med. II)	Mass.
A.B. 1937, Marshall College		Snook, Richard Hopkins (Col., A.M.)	
Smith, Jane (Jun. 9843)	Ill.	A.B. 1930, The George Washington University	
Smith, Jesse Mary (Jun.)	Va.	Snow, Robert Maughan (Jun. 12)	Md.
Smith, Janice Carolyn (Jun.)	D.C.	Snyder, Donald Clyde (Law I)	Idaho
†Smith, John George, Jr. (Law III)	N.Y.	B.S. 1933, M.S. 1935, University of Idaho	
Smith, John McNeil (Jun. 68)	Wash.	Snyder, Elsie Herfurth (Univ.)	Va.
†Smith, John Wallace (Univ.)	Ohio	Snyder, Samuel Simon (Col. 95)	D.C.
Smith, Joseph C. (Law I)	Mont.	Snyder, William Hoel (Jun. 12)	W.Va.
†Smith, Edwin Wilson (Univ.)	Va.	Schelske, Henri (Law I)	Pa.
†Smith, Margaret Eloise (Jun. 8)	D.C.	B.S. 1932, University of Pennsylvania	
Smith, Marian (Univ.)	D.C.	Schmune, John (Jun. 17)	N.J.
Smith, Marie Edna (Ed. 66)	Calif.	†Schmitt, Lillian (Univ.)	Pa.
†Smith, Marie Jane (Jun. 36)	Kans.	Solomon, Edward Wellington (Ed., A.M.)	Calif.
Smith, Martha Horton (Law I)	N.Y.	Ed.B. 1932, University of California, Los Angeles	
A.B. 1930, New York State College for Teachers		Solt, Samuel James (Eng. 53)	D.C.
Smith, Mary Belle (Jun.)	Va.	Somers, Elizabeth Rose (Jun. 30)	Md.
Smith, Mary Elizabeth (Ed., A.M.)	D.C.	Somers, Ruth Valentine (Univ.)	R.I.
A.B. 1933, The George Washington University		A.B. 1930, Brown University	
†Smith, Mary Lou (Jun.)	D.C.	Somerville, Lawrence William (Law II)	Utah
Smith, Mary Margaret (Jun.)	D.C.	Sommer, Kenneth Richard (Law I)	N.Y.
Smith, Mary McLeary (Jun. 45)	D.C.	†Sonpayrac, Edward Albert (Jun. 28)	Okla.
†Smith, Mary McNeely (Univ.)	D.C.	Sonpayrac, Powell Lawrence (Law II)	Okla.
Smith, Mary Nell (Jun. 45)	D.C.	†Sonpayrac, Walter Alexander (Law II)	D.C.
Smith, Mary P. (L.S., A.M.)	D.C.	Sonn, Jean Helen (Jun.)	Conn.
A.B. 1933, The George Washington University		Sonstrom, Mildred Edith (Jun. 12)	Pa.
Smith, Marie Elizabeth (Jun. 9)	D.C.	†Sorber, Ada M. (Univ.)	Wash.
Smith, Morton Horner (Law II)	D.C.	Sorensen, Lawrence Bernhard (Univ.)	D.C.
B.S. 1936, University of Illinois		†Sorell, Ida Davis (Jun. 57)	Mont.
Smith, Oscar H. (Jun. 6)	Ala.	Southmayd, John P. (Law I)	D.C.
Smith, Paul Emerson (Ed. 104)	Md.	†Southworth, Gilbert Lee (Univ.)	R.I.
Smith, Preston Clark (Law I)	W.Va.	Soward, Kenneth S. (Eng. 15)	
B.S. in Ch. 1935, West Virginia University		†Spadetta, Umberto (Univ.)	
Smith, Ralph Carlisle (Law II)	Ky.	B.S. in F.E. 1930, Rhode Island State College	
B.S. 1941, Rensselaer Polytechnic Institute		†Sparks, Emily Ann (Jun. 48)	D.C.
Smith, Richard Goodman (Jun. 6)	D.C.	Sparks, Iva Jane (Jun.)	D.C.
Smith, Rosamary (Ed. 100)	D.C.	Sparks, Lick (Jun. 18)	Va.
†Smith, Sheldon A. (Univ.)	D.C.	Spaulding, Jeanne Beverly (Jun.)	Va.
Smith, Sherman Austin (Law I)	Utah	†Speckman, Edwin Grant (Univ.)	Okla.
B.S. 1930, University of Utah		Spence, Aes. Harold (Jun.) (Univ.)	Mass.
†Smith, Taylor Gray (Law I)	La.	Spock, George (Med. I)	D.C.
A.B. 1936, Louisiana Polytechnic Institute		Spencer, Myron Anna (Jun. 30)	N.Y.
†Smith, Theodora (Law I)	Kans.	Spencer, Seymour (Govt. 64)	Okla.
A.B. 1932, M. A. College		Spert, James Paul II (Jun. 48)	Mo.
A.M. 1941, Rollins College		Spellman, Reuben (Eng. 61)	D.C.
†Smith, Thomas Benjamin (Univ.)	D.C.	Spence, Elizabeth Rowan (Ed., A.M.)	
†Smith, Uree McDonald (Ed. 58)	Va.	Letz B. 1929, Columbia University	Va.
Smith, Vernon Kenneth (Law III)	Idaho	*Spence, John McCurken (F.A. 107)	Va.
Smith, Violet Margaret (Univ.)	D.C.	Spence, William Roy (Jun.)	D.C.
		Spencer, Edward Gerrard (Eng. 6)	D.C.
		Spencer, Helen Mather (Ed. 77)	Iowa
		†Spencer, John Hathaway (Law I)	
		A.B. 1929, Grinnell College	
		A.M. 1931, Harvard University	

Spencer, John Wesley (Eng. 17)	D.C.	Steele, Marion Harlan (Ed., Und.)	D.C.
Spencer, Nathaniel Roscoe (Col. 118 & Med. II)	D.C.	B.S. 1928, University of Delaware	D.C.
†Sperber, Jack (Jun. 3)	N.Y.	Steele, Sally Lane (Jun. 35)	D.C.
Sperring, Roberta Naomi (Jun.)	R.I.	Steever, Edgar Zell (Univ.)	D.C.
Spiegel, David (Col. 105 1/2)	N.Y.	Stefan, Ernest (Jun. 42)	Neb.
†Spiegelblatt, Ruth (Univ.)	R.I.	Stegeman, Bert Marston (Jun. 81)	Colo.
†Spink, William Thomas (Univ.)	Mich.	†Stellie, Emma Rosalia (Jun.)	Iowa
Spinks, Almon Whitbeck (Eng. 106)	Md.	Stelman, Floyd Shultz (Jan. 19, Govt.)	Va.
Splawn, Zola Lay (Univ.)	D.C.	Stelman, John Harold (Col., A.M.)	Va.
A.B. 1916, Trinity College, Washington, D.C.		A.B. 1920, The George Washington University	
†Spratt, Margaret (Univ.)	D.C.	Stelman, Vernon Andrew (Med. II)	Va.
Sprehn, George Warren (Jun.)	D.C.	Stess, Helen, Ida (Jun.)	D.C.
†Spring, Marie D. (Univ.)	Va.	Stess, Norman (Jun. 82)	D.C.
Springes, John Anthony (Eng.)	D.C.	Stenbach, Heinz Wolfgang (Jun.)	D.C.
†Sprinkle, Leland Wilfred (Univ.)	Md.	†Stenbers, Esther H. (Jan.)	D.C.
A.B. 1912, American University		Sterner, Edward Thomas (Col., A.M.)	Wis.
Spind, Zella Gold (Jun.)	D.C.	B.S. 1916, The George Washington University	
Squires, Betty Brown (Jun. 18)	D.C.	Stem, William Robert (Jun. 24)	N.J.
Squires, Roger Joseph (Jun. 27)	N.Y.	Stengel, Louise Engelen (Univ.)	D.C.
Stacy, Delmar Ardens (Jun. 6)	Iowa	A.B. 1917, Bryn Mawr College	
†Staub, Justine Gibbs (Jun. 24)	Ohio	†Stepakof, Harry (Govt., A.M.)	Conn.
Stambrook, Jon Wenner (Jun. 62 1/4)	Wash.	A.B. 1912, The George Washington University	
Stair, Ralph (Eng., Und.)	D.C.	†Stepczyk, Frank (Univ.)	D.C.
B.S. 1924, University of Missouri		Stephan, Edgar Anton (Univ.)	N.I.
A.M. 1928, The George Washington University		Stephens, Benjamin I., Jr. (Law I)	Ill.
Stakeman, George Howard (Jun. 18)	Ind.	Stephens, Elwood Edward (Law III)	Calif.
Stallings, Mary Leslie (Law II)	Tex.	B.S. 1913, University of California, Berkeley	
A.B. 1915, University of Maryland		Stephens, Louis Clark (Law I)	D.C.
Stam, Leon (Eng. 81)	N.Y.	A.B. 1913, Roosevelt College	
Stambaugh, Jeanne Grieb (Jun.)	D.C.	†Stephens, Ruth Harn (Univ., Und.)	Tex.
Stamm, Anna May (Jun. 18)	D.C.	†Stephenson, Charles Harris, Jr. (Univ.)	D.C.
Stamper, Trelma Ella (Univ.)	D.C.	Stephenson, Fred Donald (Eng. 62)	Va.
Steward, Ralph Clark (Jun. 27)	Pa.	†Stephenson, Rowland Glass (Univ.)	Tex.
†Stanford, Helen Mary Gerite (Jun. 31)	Fla.	A.B. 1912, Harden-Simmons University	
†Stanley, John Boyd (Univ.)	D.C.	Stepler, Harold Gordon (Law II)	Ind.
Stanley, Mary Emily (Jun.)	Mo.	†Steppe, R. Montgomery (Jun.)	D.C.
†Stanley, Speed William (Univ.)	Md.	Stess, Herbert (Jun. 6)	N.Y.
†Stanton, Stanley (Univ.)	D.C.	†Storke, Bernard August (Jun.)	D.C.
Stardes, Helen DuBois (Eds., A.M.)	Va.	†Storson, Richard Brooks (Univ.)	D.C.
A.B. 1909, Bryn Mawr College		†Storson, Virginia (Col. 60)	Va.
Staples, Samuel James, Jr. (Eng. 99)	Md.	†Storss, Allen Wesley (Law III)	Va.
†Stapleton, Timothy Robert (Jun. 82; Col.)	N.J.	A.B. 1926, The George Washington University	
Starchev, Elizabeth B. (Univ.)	Mich.	Stevens, Alfred LeRoy (Jun. 10)	D.C.
†Starkweather, Helen Kelly (Univ.)	Md.	Stevens, Mary Frances (Jun. 49)	Ala.
Starling, Guy William (Jun. 51)	Ky.	Stevens, Rogers Craig (Univ.)	Md.
Starns, Henry Carroll (Jun. 18)	Ky.	Stevenson, Betty Lane (Jun. 18)	D.C.
Starns, John Cecil (Law I)	Ky.	Stevenson, Fred Charles (Law II)	N.J.
†Starr, Ethel Densmore (Univ.)	N.Y.	A.B. 1914, The George Washington University	
A.B. 1920, The George Washington University		Stevenson, David Jerome (Col. 71)	D.C.
†Starr, Margaret Elizabeth (Jun. 54)	Mont.	†Stevenson, Edward Christian (Jun. 91)	Wis.
Staszny, Robert William (Jun. 28)	D.C.	Stewart, Catherine Bayard (Univ.)	Ga.
†Stathes, Billie (Univ.)	D.C.	†Stewart, William Albert (Jun. 30)	W.Va.
†Staubly, Alan MacLean (Law III)	W.Va.	Stevens, Elizabeth Waller (Ed., A.M.)	Md.
B.S. in Eng. 1915, The George Washington University		A.B. 1908, The George Washington University	
Staubly, Julian Lawrence (Jun. 28)	W.Va.	†Stieritz, Sara (Univ.)	N.Y.
Staubly, Ralph Franklin, Jr. (Col., A.M.; Univ.)	Md.	Stiles, Kenneth (Govt. 101)	N.Y.
A.B. 1911, The George Washington University		Stiles, Robert Sidney (Jun. 24)	Ala.
Staudacher, Gerald (Law II)	Idaho	†Stullerman, Simon (Univ.)	D.C.
A.B. 1916, University of Idaho		Sullivan, Dorothy (Jun. 18)	Fla.
Stauff, Margaret Leona (Ed., A.M.)	D.C.	Stumpson, William Hamilton (Med. III)	Md.
A.B. 1911, University of Oregon		Stane, Wilma Pearl (Univ.)	D.C.
Stauffer, Henry Brooke (Law III)	D.C.	A.B. 1917, Western Reserve University	
A.B. 1915, Duke University		Stringle, Howard Ellsworth (Jun. 11)	Ind.
†Staves, Sylvia Anne (Univ.)	Va.	Strinnett, Katherine Bell (Col. 96)	Ky.
†Steedman, James Haynes (Law I)	Ga.	†Stoak, Philip (Ed. 92)	Mass.
Ph.B. 1911, Emory University			



Stocking, Frank A. (Law II)	Tex.	Stuckey, Lyman M. (Law II)	Nebr.
A.B. 1925, Columbia University		A.B. 1935, Hastings College	
Stoddard, Guy Russell, Jr. (Med. III)	Fla.	†Studenberg, Irving (Col. 77)	N.Y.
B.S. 1933, University of Miami		Sturm, George Wayne (Law II)	Calif.
Stohl, Ralph N. (Law II)	Utah	Stutler, Delmas Clay, Jr. (Eng. 46)	D.C.
A.B. 1934, University of Utah		†Strypmann, Charles O. (Univ.)	Fla.
Stohlman, Mary Helen (Univ.)	D.C.	Suber, James Whitley (Ed., Ed.D.)	D.C.
A.B. 1934, A.M. 1937, The George Washington University		B.S. 1928, Mississippi State College	
†Stohlman, Mildred Adele (Univ.)	D.C.	A.M. 1930, The George Washington University	
B.S. 1933, Wilson Teachers College		Sucher, Max (Col., A.M.)	N.Y.
A.M. 1937, The George Washington University		B.S. 1931, Brooklyn College	
†Stokes, Ellen Stotsenburg (Univ.)	D.C.	Sucher, Nettie (Jun. 33)	N.Y.
Stolar, Morris David (Govt. 72)	D.C.	†Sudderth, Olivia (Jun. 28½)	Ga.
†Stolar, Myer Harold (Col., A.M.)	D.C.	Sugar, Samuel Jacob (Med. IV)	D.C.
B.S. 1936, The George Washington University		Phar G. 1941, The George Washington University	
Stone, Clyde (Jun. 60)	Tenn.	Sullivan, Benjamin Hardy (Med. IV)	Md.
Stone, Hellen Dean (Col., A.M.)	Wash.	A.B. 1946, The George Washington University	
A.B. 1930, University of Washington		Sullivan, Clara Parker (Ed., Ed.D.)	Md.
†Stone, Nimrod Denson (Jun.)	Calif.	A.B. 1911, Brenau College	
Stone, Russell Edgar (Col. 81½)	Utah	A.M. 1927, The George Washington University	
Stone, Ruth Phyllis (Jun. 12)	D.C.	Sullivan, Edwin Kemper (Eng. 65)	D.C.
Stonesifer, Joseph Novak (Col., A.M.)	Ill.	†Sullivan, Eileen Agnes (Univ.)	Mass.
B.S. 1936, University of Illinois		B.S. in Ed. 1945, Salem Normal School, Salem, Mass.	
Stopsack, Eleanor Ida (Jun.)	D.C.	Sullivan, John Patrick (Eng. 41; Jun.)	Pa.
Stopsack, Florence Alma (Govt. 108)	D.C.	Sullivan, Rosalyn Clara (Jun. 24)	Md.
Storer, William Elroy (Med. II)	Ohio	Sullivan, William Walter (Law II)	Conn.
†Storey, Bess Williamson (Jun. 24)	D.C.	A.B. 1922, College of the Holy Cross	
Story, Elwyn Glenn (Univ.)	Tenn.	Summers, George Nixon (Jun.)	Va.
Stotelmeyer, George Benton (Jun. 70)	Ill.	Summers, Leonard (Univ.)	D.C.
Stoudenmire, Sterling F., Jr. (Law I)	S.C.	Sunderman, Eloise Viola (Univ.)	Va.
A.B. 1937, Furman University		Sunderman, Helen Lorraine (Col. 75)	Minn.
†Stout, Clair L. (Law III)	Utah	Supiot, Ann M. (Jun. 64; Govt.)	Pa.
A.B. 1933, University of Utah		Surba, Chester Frank (Jun. 15)	N.Y.
Stoutsenberger, Paul William (Jun. 39)	Ariz.	Sures, Allan Herbert (Jun. 57; Govt.)	D.C.
Stover, Earl E. (Jun. 45)	Pa.	Surine, Donald Arthur (Law I)	D.C.
†Stowe, Aileen McQuown (Col., A.M.)		Susong, Alex E. (Law II)	Tenn.
A.B. 1934, Goucher College	D.C.	A.B. 1933, Virginia Military Institute	
Strader, Mary Barbara (Univ.)		†Sussholz, Benjamin (Col. 81)	N.Y.
B.S. 1927, Virginia State Teachers College, East Radford		Sutherland, Mary Jane (Ed. 95; Col.)	D.C.
A.M. 1934, Columbia University	Pa.	Sutherland, Owen LeRoy (Jun.)	D.C.
†Straika, Clem Frank (Univ.)	D.C.	Sutherland, Myrtle Davidson (Univ.)	D.C.
Strand, Eleanor J. (Jun. 53½)	D.C.	A.B. 1932, The George Washington University	
Stratton, Constance (Col. 96)	Pa.	Suttkus, Reuben (Univ.)	D.C.
Strayer, Francis Henry (Ed., A.M.)		Svedlow, Bernard Dave (Med. I)	N.Y.
B.S. 1945, The George Washington University		B.S. 1918, New York University	
Strecker, Hayward William (Law II)	Ohio	Swain, Lindian Joseph (Jun. 42)	Va.
B.S. 1927, University of Pennsylvania	D.C.	Swain, Robert Adams (Law I)	Tex.
Street, John Ellsworth (Phar. 123)	Mich.	A.B. 1934, University of Texas	
Streiff, Anton Joseph (Univ.)		A.M. 1936, The George Washington University	
B.S. 1936, M.S. 1937, University of Michigan	D.C.	Swan, Charles Frederick (Univ.)	Kans.
†Strickler, Frank Hunter (Jun.)	D.C.	Swan, Elmer Jackson (Law I)	Tenn.
Striffler, John William (Jun.)	Ohio	B.S. 1934, Tennessee State Teachers College, Johnson City	
Stroad, Kenneth Wayne (Univ.)	Ill.	Swan, Marian Louise (Univ.)	D.C.
Stroh, Minnie Vaughn (Jun. 9)	Nebr.	Swanson, Carl Colborn (Jun. 90; Ed.)	Ill.
Stromberg, Marvin Oscar (Jun. 18)	D.C.	Swanson, Dorothy Hildina (Jun. 10)	Wash.
†Strong, John Edgar (Jun. 18)		Swanson, Irving W. (Law II)	Minn.
Strothman, Russell Adolph (Eng., Und.)	Md.	Swanton, Lucy (Med. IV)	D.C.
B.S. in E.E. 1920, University of Minnesota		A.B. 1929, The George Washington University	
Strouss, Dorothy Boyer (Univ.)	D.C.	†Swarm, Helen Louise (Jun.)	Wash.
Strunk, Harold Alton (Med. III)	Pa.	†Swartout, Elois Louise (Jun.)	Va.
B.S. 1935, Albright College			
†Struttmann, Ernest Leo (Jun. 18)	D.C.		
Stuart, Mary Sylvia (Univ.)	D.C.		
Stucke, Adela Leona (Col. 60)	Tex.		



Swartz, Jerome J. (Univ.) B.S. in C.E. 1925. University of Michigan	D.C.	Tate, Lucy Frances (Jun. 32)	D.C.
Swayze, Allen (Jun. 57)	Miss.	†Tavener, Elsa Mildred (Jun. 51)	D.C.
T		†Telford, David (Jun. 16)	D.C.
		†Telford, Josephine L. (Univ.)	Ky.
Tabenkin, Benjamin (Col., A.M.)	Ill.	A.B. 1932. Kentucky State Teachers College, Eastern	
		†Thomas, James Carlin (Jun. 41)	Ohio
		Thomas, Jesse Woodrow (Law I)	Ky.
		Thomas, Laura Eleanor (Jun. 30)	D.C.
		Thomas, Lawrence Jay (Med. IV)	N.Y.
		B.S. 1934. New York University	

Thomas, Margaret Isabel (Univ.)	Wash.	Timberlake, Edmund Compton (Law II)	D.C.
† Thomas, Robert E. (Univ.)	Tex.	Timblin, Charles (Law III)	Wash.
B.S. 1928, Southern Methodist University		Timke, Helen Anna (Jun. 37)	D.C.
A.M. 1933, University of Texas		† Tindall, William Scott (Law I)	Pa.
Thomas, Robert William (Jun. 6)	D.C.	A.B. 1937, Grove City College	Va.
Thomason, Louise Finch (Jun.)	Ga.	Tinker, Clarence Leonard, Jr. (Univ.)	D.C.
Thomason, Harold Bradie (Eng.)	D.C.	† Tinsley, Thomas Luther, Jr. (Jun.)	Ill.
Thomson, Harold Ordell (Jun. 33)	D.C.	† Tippy, Earl Eugene (Univ.)	N.H.
Thompson, Byron Walling (Law III)	Md.	Tobes, Charles William, Jr. (Law III)	D.C.
Thompson, Charles Waters (Med. I)	D.C.	Tobias, Richard Boyd (Jun. 26)	D.C.
Thompson, Eric (Col., A.M.)	Pa.	Tobin, David Paul (Jun. 62)	D.C.
A.B. 1934, Westminster College, Pennsylvania		Tobin, Louis Henry (Med. IV)	Mass.
Thompson, Esther K. (Univ.)	Wis.	† Todd, Francis Carroll (Univ.)	D.C.
Ph.B. 1917, University of Wisconsin		† Todd, William Augusta (Univ.)	D.C.
Thompson, Frank M. (Law II)	D.C.	† Tolbert, Lomnie Augusta (Univ.)	D.C.
Thompson, Georgia I. (Jun.)	Minn.	B.S. 1931, Kentucky State Teachers College, Murray	Pa.
Thompson, Helen Duntton (Ed. 99)	D.C.	Toll, George Shea (Law I)	
Thompson, Henry, Jr. (Jun. 32)	D.C.	B.S. 1934, University of Pennsylvania	D.C.
Thompson, J. Roy (Law I)	Okl.	Tolliver, John Sheridan (Jun.)	D.C.
B.S. 1933, Oklahoma Agricultural and Mechanical College		Tollman, Roger William (Jun. 6)	D.C.
Thompson, Joseph Edmund, Jr. (Univ.)	Va.	† Tolman, Mary Chase (Univ.)	N.Y.
Thompson, June Shirley (Jun. 30)	D.C.	Tolman, Mason (Govt., A.M.)	
† Thompson, Malcolm Hayes (Law I)	N.H.	A.B. 1934, University of Chicago	
Ed.B. 1937, Plymouth Normal School		B.S. 1935, Columbia University	D.C.
† Thompson, Vining Clyde (Univ.)	Wash.	† Tolson, Donald Calvin (Jun. 9)	D.C.
† Thompson, W. Jack (Law III)	D.C.	Tolson, Emily Barclay (Univ.)	Conn.
A.B. 1933, University of Wyoming		T. mares, Philip (Jun. 24)	N.Y.
† Thompson, William A., Jr. (Jun. 6)	Okl.	† Tomasulo, Irvin Russia (Univ.)	
Thompson, William Blake (Eng.)	D.C.	A.B. 1929, B.S. 1932, Columbia University	Ind.
Thompson, William M. (Jun. 66; Col.)	Utah	Tomev, Jesse Cornelius (Jun. 18)	S.Dak.
Thomson, Albert (Eng., Uncl.)	Oreg.	† Tomlinson, Edwin Walter (Univ.)	
B.S. in E.E. 1935, Oregon Institute of Technology		A.B. 1936, Sweet Falls College	Ga.
† Thomson, Hazel (Univ.)	Ky.	† Tomlinson, Evelyn (Univ.)	
Thomson, Henrietta Hardie (Jun.)	Va.	Tomlinson, Laurence Elliott (L.S., Uncl.)	Oreg.
Thornberry, John Orme (Law I)	D.C.	A.B. 1930, Cornell University	Pa.
Thornett, Howard Donald (Eng. 12)	D.C.	† Tonkavitch, John William (Univ., Uncl.)	Ind.
† Thornton, Asa Mell (Univ.)	D.C.	Tochy, Elizabeth Gail (Ed., A.M.)	
Thornton, Dorothy Haberlach (Univ.)	Oreg.	A.B. 1934, Indiana Ball State Teachers College	D.C.
A.B. 1934, University of Oregon		Toomex, Marion Cecilia (Jun. 9)	
Thornton, J. Read (Law II)	Utah	Toothman, James Sterling (Eng. 29, Jun.)	W.Va.
A.B. 1934, Brigham Young University		Torgerson, Helen (Ed., A.M.)	Wis.
† Threll, Walter Holloway (Eng. 10)	D.C.	B.S. 1928, University of Minnesota	D.C.
Thurber, Gretchen Ora (Univ.)	R.I.	Torre, Antoinette Marie (Govt. 60)	Ala.
Ed.B. 1929, Rhode Island College of Education		Toulmin, Harry Theophilus (Jun. 33)	Md.
Thurber, Pearle Mae (Col., A.M.)	Wis.	Tourkin, David (Phar., Uncl.)	
A.B. 1927, The George Washington University		Phar.G. 1931, University of Maryland	D.C.
† Thurber, Robert Kingdom (Jun. 24)	Utah	Towson, Helen Janney (Ed. 116)	D.C.
Thurmond, Carolyn Verne (Jun.)	N.Mex.	Towson, Jacquelin Cary (Univ.)	N.Y.
Thurston, John L. (Col., A.M.)	Ohio	Tracy, Edward Raymond (Jun. 12)	
A.B. 1937, Antioch College		† Trammell, Charles Monroe, Jr. (Law III)	Fla.
Ticknor, Margaret (Col., A.M.)	N.C.	A.B. 1933, The George Washington University	
A.B. 1936, The George Washington University		† Trammell, James (Univ.)	D.C.
Ticknor, William Ormsby (Univ.)	D.C.	† Trammell, Mary Virginia (Jun. 48)	D.C.
Tiekton, Sidney Gerson (Govt., A.M.)	D.C.	Trapp, Ernest Calvin (Law I)	N.Mex.
A.B. 1932, Wayne University		A.B. 1935, Oklahoma Central State Teachers College	
Tiemroth, Harold Herman (Law II)	Calif.	† Trask, Alfred S. (Law, Uncl.; Govt. 73 3/4)	Minn.
Tiernan, Edward Pratt (Jun. 42)	D.C.	LL.B. 1935, The George Washington University	Tenn.
Tietz, William Edward (Jun.)	Pa.	† Travis, Esther Talley (Ed., A.M.)	
Tievsky, George (Phar. 82)	D.C.	A.B. 1933, The George Washington University	
† Tievsky, Marvin (Law I)	D.C.	Travis, Helen Elizabeth (Govt., A.M.)	Tex.
A.B. 1937, The George Washington University		A.B. 1936, Texas State College for Women	
Tihila, Howard (Jun. 111 3/4)	Oreg.		
† Tillman, Joseph Lauren (Univ.)	Miss.		
† Tilton, John Tayloe (Jun. 6)	D.C.		



Traxler, William Byrd (Law II)	Tex.	V	
Trayuham, Paul Franklin II (Jun. 27)	S.C.	Vaden, Annie Virginia (Jun. 9)	D.C.
Trego, Lynton Lewelling II (Jun. 98)	S.C.	Vander, Peter John III (Col., A.M.)	D.C.
Trembles, Helen Louise (Col., A.M.)	D.C.	B.S. 1938, University of Maryland	
A.B. 1933, The George Washington University		Vallée, Lloyd (Jun. 30)	Colo.
Tremelline, Nena (Jun. 49/1)	Idaho	†Vale, Ethel Gertrude (Jun.)	D.C.
Trent, William Carmichael (Eng. 91)	W. Va.	Vallarino, Luis Antonio (Jan. 26)	Panama
A.B. 1932, The George Washington University		†Vandemark, Grant Williamson (Univ.)	D.C.
Trone, Mary Margaret (Col. 60)	Md.	†Vandewater, Henry Stanley (Eng.)	D.C.
†Truax, John Charles (Univ.)	Ohio	Van Dyke, Spencer Edsworth (Law II)	Utah
†True, Douglas Gordon (Jun. 12)	Va.	Van Emon, Walter Cornell, Jr. (Univ.)	Oreg.
Truax, Alfred William (Jun. 45)	Ind.	Van Hemert, Marcel Henri Paul (Jun. 36)	Ill.
†Truax, Mary Line (Col., A.M.)	Va.	Van Horn, Elizabeth Ann (Jun.)	Md.
A.B. 1937, The George Washington University		Van Kuy, Adriana (Jun. 43/4)	Wis.
Truex, Orson William (Ed., A.M.)	D.C.	†Van Leuven, C. Ray (Univ.)	Wash.
B.S. 1936, Wilson Teachers College		B.S. 1926, Brigham Young University	
†Truman, Fred Leland (Eng. 15)	Mo.	M.S. 1931, University of Washington	
†Truppi, William Charles (Univ.)	N.Y.	Vann, Emoch Jasper (Jun.)	D.C.
B.S. 1913, M.S. 1931, College of the City of New York		Van Ry, Jane Rosella (Univ.)	D.C.
†Tshis, James (Jun.)	D.C.	†Van Saken, Bertha Marian (Univ.)	D.C.
†Tucker, Beatrice Catherine (Jun. 6)	Md.	†Varela, Jack King (Univ.)	D.C.
Tucker, Irwin William (Univ.)	N.Y.	Vargyas, Joseph Charles (Med. III)	N.J.
†Tucker, John Thomas, Jr. (Univ., Uncl.)	Miss.	B.S. 1935, Albright College	
†Tucker, Margaret Elizabeth (Univ.)	D.C.	†Varner, Theodora (Jan. 41)	Ohio
B.S. 1936, Wilson Teachers College		†Vaughan, Edna L. (Univ.)	Wash.
Tuft, Thomas Davies (Eng. 21)	D.C.	†Vaughan, Frances Elizabeth (Univ.)	D.C.
Tully, Robert LaRose (Govt. 107)	W. Va.	Vaught, Cecelia Jeanette (Jun. 26)	Md.
Turners, Sister Leonie A. M. (Med. IV)	D.C.	Vaught, Jettie Sparkman, Jr. (Law I)	N. Mex.
†Tunell, Ruth Philips (Univ.)	Md.	A.B. 1931, University of New Mexico	
A.B. 1919, Goucher College		Vaught, Valerie Virginia (Col. 88)	Md.
Turner, David Aston (Law, Uncl.)	D.C.	†Vawter, George Elliott (Jun., Uncl.)	Va.
A.B. 1914, Southern Methodist University		Vawter, Henry Alexander (Univ.)	Va.
Turner, Jay Lewis (Jun. 52)	Okla.	Vadler, Doris Amelia (Jun. 15)	N.Y.
Turner, Margaret Elizabeth (Jun. 44)	D.C.	†Veenhoff, Abigail (Col. 77)	D.C.
Turner, Marshal Swanson (Jun. 66, Govt.)	N.C.	Velletti, August (Jun.)	N.Y.
†Turner, Thomas Livingston (Univ.)	D.C.	Velte, Clate Wilhelmina (Ed. 67)	Neb.
B.S. 1935, U. S. Naval Academy		Vetri, Louis Anthony (Jun.)	Pa.
Turnine, Robert F. St. (Univ.)	Colo.	†Vetters, Helen Terrey (Jun.)	D.C.
Turnyer, Naomi Jay (Jun. 30)	D.C.	Vettryke, J. Russell III (Law II)	D.C.
Tutpin, William (Univ.)	D.C.	†Verner, Chas. W. (Univ.)	Ohio
Tutton, Edward Arnold (Jun. 15)	N.Y.	†Vernon, Dorothy Catherine (Jun. 15)	D.C.
Tutton, Victor Thomas (Jun.)	N.Y.	Vonta, James (Eng.)	N.J.
Turville, Edward A. (Law I)	D.C.	†Verville, Betty Eleanor (Univ.)	D.C.
A.B. 1936, Washington and Lee University		Vettori, Peter Louis (Eng. 87)	D.C.
Tusing, Thomas William (Jun.)	Va.	Vickers, Rose Margaret (L.S., A.M.)	D.C.
†Tuttle, Frances P. (Univ.)	Ill.	A.B. 1928, The George Washington University	
Tyler, Lyon Leavenworth (Law II)	S.C.	Vierling, Mabel Overton (Jun.)	Md.
B.S. 1915, College of Charleston		Vierling, Mildred Overton (Col. 86)	Md.
Tyler, Thomasia Gertrude (Col., A.M.)	S.C.	†Vigd, Ernestine Cynthia (Ed. 19145)	Colo.
B.S. 1921, Wofford College		Villmarie, Ed. S. (Law II)	Mo.
†Tyner, Ralph Wendel (Jun. 9)	D.C.	†Vincent, Douglas H. (Univ.)	Colo.
U		†Vincent, Harvey Leonard (Univ.)	N.J.
Udall, John Nicholas (Col. 71/1)	Ariz.	Vincent, Theodore J. (Col. 98)	Md.
Udell, Doris (Jun.)	D.C.	†Vinson, Lesleyman Rebecca (Univ.)	Md.
Umbach, Dolores Ardujar (Univ.)	N.Y.	Vachon, Marguerite Rebecca (L.S., Uncl.)	Ind.
A.B. 1930, Goucher College		A.B. 1921, Indiana University	
A.M. 1931, University of Puerto Rico		Vapel, Maet Robin (Law III)	N. Dak.
Underwood, Harry K. (Univ.)	D.C.	†Voght, John Bernase (Jan.)	Ill.
†Upham, Dale Vernon (Univ.)	Wis.	Vokman, Raymond Samuel (Jun.)	D.C.
Upton, Everett Holmes (Jun. 9)	Md.	†Vondesen, Kathryn Rita (Law I & Col., A.M.)	N.Y.
Uran, Josephine Marie (Jun. 68)	Calif.	A.B. 1936, Skidmore College	
†Urick, Ludwig Frank (Jun.)	Minn.	†Voorhees, Sam Miller (Law)	N.Y.
		Vorseper, Dwight Henry (Eng. 92)	D.C.
		†Votawell, Joseph Bernard (Jun.)	D.C.
		Vots, Ulysses Simpson, Grant (Univ.)	Mch.
		†Vukovich, Julia (Jun.)	Calif.



W		
Waddell, Oscar Bryan (Jun.)	N.C.	†Wang, An-Hsiu (Col. 70)
Wadden, Caroline Irene Peet (Jun. 30)	D.C.	Warburton, Donald Rodney Stone (Univ.)
Wadhill, R. Lind Acres, Jr. (Univ.)	D.C.	Ward, Ann Margaret (Jun. 15)
Wadkins, Mildred (Law I)	Ala.	†Ward, Anna Howard (Univ.)
B.S. 1935, Alabama Polytechnic Institute		B.S. 1929, Virginia State Teachers College, Harrisonburg
Wadsworth, Knox (Jun.)	Conn.	A.M. 1932, The George Washington University
Waesche, Eva Sophronia (Jun. 10)	Md.	Ward, Caroline Chalmers (Law II)
Waggoner, Margaret Louise (Govt., A.M.)	Calif.	A.B. 1934, University of North Carolina
B.F.S. 1937, University of Southern California		†Ward, Elizabeth Louise (Jun.)
Wagman, Donald David (Col., A.M.)	Mich.	Ward, James Otto (Jun. 45)
B.S. 1936, The George Washington University		*Ward, Kathryn M. Painter (Col., A.M.)
Wagman, Edward (Col., A.M.)	Mich.	A.B. 1935, The George Washington University
B.S. 1934, Wayne University		Ward, Robert Francis (Eng. 4)
†Wagner, George E. (Jun., Uncl.)	Iowa	†Ward, Sara Howard (Univ.)
Wagner, Glen Edward (Ed., A.M.)	Pa.	Warfield, Alan Mac Naughton (Jun. 51)
B.S. 1937, Pennsylvania State Teachers College, West Chester		Warkentin, Dorothy M. (Jun. 51)
†Wagner, Grace Lois (Ed., A.M.)	D.C.	†Warkentin, Erna Elizabeth (Univ.)
B.S. 1934, Wilson Teachers College		Warner, Paul Andrew (Univ.)
Wagner, Henry George (Eng. 71; Jun.)	D.C.	Warren, Mary Beach (Ed., A.M.)
†Wagner, Mary Gertrude (Ed. 81)	D.C.	A.B. 1929, The George Washington University
†Wagner, Warren Herbert, Jr. (Univ.)	Utah	Warren, Ruth Eleanor (Jun.)
*Wagstaff, W. Stanford (Law III)	Wyo.	Warthen, Thomas Vernon (Ed., A.M.)
Wahl, Richard A. (Law I)		B.S. 1930, Washington College
B.S. 1934, University of Wyoming		Washburn, Ivan Winthrop (Eng. 70)
Walden, Carolyn (Jun. 24)	Ala.	†Wassell, Louise Hartley (Univ.)
Walden, Charles Edward (Eng. 80)	N.Mex.	†Waterman, Bernice Luella (Law I)
†Walker, Evelyn Cordelia (Jun.)	Md.	A.B. 1931, The George Washington University
Walker, Geraldine Lois	Kans.	Waterman, Edward Lester (Eng. 25)
Walker, Harold Donald (Govt., A.M.)	Wash.	†Waters, Mary Dorothea (Jun.)
A.B. 1936, The George Washington University		Watkins, Martin Abraham (Jun. 36)
Walker, Herman, Jr. (Law I)	N.C.	Watkins, Robert Edward (Law II)
A.B. 1931, Ph.D. 1937, Duke University		B.S. 1933, U. S. Naval Academy
Walker, Ida Jeanette (Jun.)	Colo.	Watson, Carolyn Pierce (Col. 66)
Walker, Jennie L. (Univ.)	Ind.	†Watson, Clive Francis (Govt., A.M.)
A.B. 1920, University of Oklahoma		A.B. 1935, Municipal University of Wichita
A.M. 1928, Columbia University		†Watson, Enid Lucyle (Jun. 3)
Walker, John Hale, Jr. (Law I)	Tex.	Watson, Guy B., Jr. (Eng. 38)
A.B. 1934, University of Texas		Watson, Raymond Albert (Jun. 14)
†Walker, Margaret Justis (Univ.)	Pa.	†Watson, Raymond Oliver (Jun. 8)
†Walker, Robert Custis (Jun. 9)	Md.	Watson, Walter Lee (Law II)
Walker, Samuel Hamilton III (Jun. 83; Col.)	Md.	Watstein, David (Col., A.M.)
†Walker, William O'Harra (Law I)	Va.	B.S. 1930, University of California, Berkeley
A.B. 1935, State University of Iowa		†Way, Arthur Eugene (Ed., A.M.)
Walkingstick, Howard Chandler (Col. 92)	Okla.	Arizona State Teachers College, Flagstaff
†Walkingstick, O. K. (Jun. 9)	D.C.	†Wayman, Thomas Mongavin (Law I)
Wall, Fred, Jr. (Jun. 39)	Ala.	A.B. 1936, University of Pittsburgh
Wallace, Andrew Langley (Jun. 15)	N.H.	Wear, William A. (Law I)
Wallace, Charles Earl (Jun. 12)	Tenn.	A.B. 1937, Drury College
†Wallace, Joseph Thaddeus (Jun. 4)	Va.	†Weare, Clifford S. (Univ.)
†Wallace, Lester Hull (Jun. 6)	Ga.	†Weatherby, O. Meredith (Univ.)
†Wallace, Richard Benjamin (Univ.)	D.C.	A.B. 1936, Baylor University
Wallace, Richard Dana (Eng. 64)	D.C.	B.S. 1937, Georgetown University
*Walsky, Frances Raum (Col. 105)	D.C.	†Weaver, Celeste Rosson (Jun.)
Walstrom, Charles Bowen (Jun. 48)	Mo.	Weaver, Douglas Price (Jun. 6)
Walter, George R. (Jun. 32)	D.C.	Weaver, Frank Lloyd, Jr. (Univ.)
†Walter, Josephine Elizabeth (Jun.)	D.C.	Weaver, Katherine Jeanette (Jun. 79; Govt.)
Walther, Janet Elizabeth (Med. I)	D.C.	Weaver, Thomas Harold (Med. II)
Walton, Marion J. (Univ.)	D.C.	A.B. 1937, The George Washington University
Walton, Thomas Snyder (Jun.)	D.C.	†Weaver, William Bancroft (Jun. 30)
Walz, Peter Frank (Jun. 27)	Minn.	
Wang, An-fu (Col. 92)	China	

Webb, Arch George (Law III)	Utah	*Wells, Elva Coughlin (Ed., A.M.)	D.C.
B.S. 1934, University of Utah		A.B. 1920, The George Washington	
Webb, Charles Edward (Jun. 41)	Vt.	University	
Webb, Clifford A. (Med. III)	Va.	Wells, George William (Eng. 79)	Fla.
†Webb, L. Alice (Univ.)	Va.	Wells, James Millard (Jun.)	Pa.
Webb, Richard William (Eng. 18)	Conn.	Wells, Maxine A. (Jun. 3)	Wash.
†Webb, Ruth Kincer (Ed., Ed D)	D.C.	†Wells, Roy Hudson (Jun. 19)	D.C.
A.B. 1933, A.M. 1936, The George		†Wells, William Bruce (Univ.)	Calif.
Washington University		A.B. 1926, Stanford University	
Webb, Virginia Ruth (Jun. 88; Ed.)	D.C.	†Wells, William Edward (Jun. 16)	D.C.
Webber, William Hoban (Law I)	Pa.	Wells, Samuel Louis (Col., A.M.)	Pa.
B.S. 1912, University of Pennsylvania		A.B. 1924, University of Pennsylvania	
Weber, Don (Jun. 21)	Neb.	†Wendthorst, George (Univ.)	D.C.
Weber, George Mathias (Jun. 14)	D.C.	Wenger, Margaret Elizabeth (Col., A.M.)	Pa.
Weber, Harry Fredrick (Col., A.M.)	D.C.	A.B. 1933, Wilson College	
A.B. 1934, The George Washington		Wentz, Eugene Lemay (Jun. 21)	Pa.
University		†Wenzel, Clyde William (Jun.)	D.C.
Weber, Marjorie Louise (Jun. 27)	D.C.	Werbler, Eleanor (Col. 1920)	D.C.
Webner, William Gordon (Univ.;		Werner, George Henry (Eng. 71)	D.C.
Govt., A.M.)	N.Y.	†Wernman, David (Univ.)	N.Y.
A.B. 1936, American University		B.S. in Eng. 1935, M.E. 1936,	
Webster, Frances Lee (Univ.)	D.C.	College of the City of New York	
Webster, Wallace H., Jr. (Law II)	Pa.	West, Alice Babette (C. 4 1920)	D.C.
Ph.B. 1934, Muhlenberg College		West, Anne Turley (C. 4, A.M.)	D.C.
Wechsler, Nathan (Jun. 40)	D.C.	A.B. 1937, The George Washington	
Wechsler, Sanford Leonard (Jun. 51)	Mich.	University	
Wedge, Virgil Henry (Law I)	Nev.	†West, Florence K. (Jun. 27)	D.C.
B.S. 1936, Brigham Young University		West, Linda Jessie (L.S., Uncl.)	Kans.
Weeks, John Turner (Jun. 6)	Va.	A.B. 1933, Fort Hays Kansas State	
Weger, Raymond Alvin (Univ.)	D.C.	College	
Weger, Sidney (Jun. 30)	D.C.	West, Mary Norman (Col. 92)	Tenn.
Weckhardt, George Daris (Med. III)	D.C.	West, Vernon Eskridge, Jr. (Univ.)	Md.
†Weidenfeller, Clem B. (Jun.)	Iowa	Westbrook, Bernice (Univ.)	D.C.
Weigandt, Viola Roselle (Jun.)	Ill.	Westfall, Frances Lee (Col., A.M.)	N.J.
Well, John Allen (Law I)	D.C.	A.B. 1935, Mount Holyoke College	
Weinberg, Isador Edward (Jun. 50)	Pa.	Weston, John Andrew (Eng. 19)	Wis.
Weinberg, Miriam Alice (Univ.)	N.Y.	Weston, Robert Glardon (Eng. 38)	N.Y.
†Weinert, Roland Paul (Jun. 33)	Mich.	†Westover, La Veda (Jun. 39/3)	Ariz.
Weingartner, Ademar Grimm (Law III)	Md.	Wetherill, John Price (Law I)	D.C.
A.B. 1934, The George Washington		B.S. 1927, M.S. 1928, The George	
University		Washington University	
†Weinhardt, Vivian Marie (Univ.)	D.C.	Wetmore, Margaret Fierwick (Univ.)	D.C.
Weinman, Ruby Belle (Ed. 63)	Neb.	†Wetmore, Herman (Jun. 13)	D.C.
Weinstein, Estelle (Jun. 57, Col.)	D.C.	Wettig, Doris Elaine (Univ.)	D.C.
†Weinstein, Evelyn Ruth (Jun.)	D.C.	Wetzel, William Cliskey (Eng. 100)	D.C.
Wentz, Henry (Med. IV)	N.Y.	Weymouth, Albert Kent (Eng. 15)	D.C.
B.S. 1934, Brooklyn College		Weyrich, John Curran (Jun. 64)	D.C.
Weintraub, Robert Louis (Grad., Ph.D.)	D.C.	Whelan, John E., Jr. (Law III)	Utah
B.S. 1931, A.M. 1933, The George		Whaling, Clifton Wendell (Law II)	Va.
Washington University		A.B. 1932, Michigan State Normal	
Weir, Millie Elizabeth (Univ.)	D.C.	College	
Weisbach, John Nelsius (Law II)	Ill.	Wharton, Maudie C. (Law I)	Tex.
Weisberger, Wilfred Harold (Law II)	Pa.	A.B. 1935, The George Washington	
B.S. 1932, University of Pennsylvania		University	
Weise, Ernest Lyman (Col. 97)	D.C.	Wheat, Blanche Busby (Ed. 120)	Md.
†Weisenfeld, Sue (Jun. 19)	Mich.	Wheeler, Floyd Stead (Law, Uncl.)	Va.
Weiss, Lucille Sara (Jun. 30)	D.C.	E.E. 1911, Syracuse University	
Weiss, Robert (Jun. 43)	D.C.	Wheeler, Richard Roy (Jun. 63)	Calif.
Weissbluth, Michel (Col., A.M.)	N.Y.	†Whims, James Lee (Law I)	Pa.
A.B. 1936, Brooklyn College		B.S. 1934, Pennsylvania State Teach-	
†Weissman, Morris (Jun. 31)	N.Y.	ers College, West Chester	
†Weissman, Arthur (Law II)	N.Y.	Whipple, Frances Elizabeth (Jun. 59)	Ohio
A.B. 1934, College of the City of		†Whitaker, Marian Douglas (Jun. 6)	D.C.
New York		Whitaker, Robert L. (Jun. 91)	Idaho
Weisz, Renee Fantin (Jun. 35/3)	Va.	Whitbeck, Barbara (Jun. 33)	N.Y.
Wetzel, Gertrude Elizabeth (Jun. 18)	D.C.	†Whitbeck, Frank, Jr. (Jun. 18)	Okla.
Wetzel, Edwin Hylan (Jun. 43)	D.C.	White, Annie Gray (Univ.)	Ga.
†Wetsten, Jack Blynn (Jun.)	D.C.	White, Betty Sheehan (Ed. 133)	Ala.
Weiser, George Louis (Col., A.M.)	D.C.	†White, Byron (Col., A.M.)	N.C.
A.B. 1927, M.D. 1932, Johns Hop-		A.B. 1928, University of North	
kins University		Carolina	
Wells, Carl Hunt, Jr. (Med. I)	Va.	White, Charles Louis (Eng.)	Md.
B.S. 1936, University of Georgia			



White, Donald Lloyd (Col. 64)	D.C.	Wildes, Cyril Martin (Jun. 66; Col.)	Wis
White, Elijah Brockenborough, Jr. (Law III)	Va.	Wildes, Orville E. (Law II)	Wis
B.S. 1911, Clemson Agricultural College		Wildhack, William August (Grad. Ph.D.)	Cole
†White, Emile Margaret (Univ.)	D.C.	B.S. 1911, M.S. 1912, University of Colorado	
A.B. 1907, A.M. 1910, The George Washington University		Wildman, Herbert Tuttle (Law III)	Conn.
White, George Alton (Law III)	Utah	Wildman, Robert April (Law I)	Conn.
White, George Howard (Law, Uncl.)	Va.	B.S. in C.E. 1917, The George Washington University	
A.B. 1934, Princeton University		Wildman, Rose Katharine (Ed., A.M.)	Conn.
L.L.B. 1917, Harvard University		A.B. 1916, The George Washington University	
White, Gertrude Schmidt (Ed. 65)	D.C.	Wilder, Jessie Emma (Ed. 70)	D.C.
†White, H. Ferris (Univ.)	D.C.	Wilfong, Loren (Jun. 9)	D.C.
A.B. 1919, University of Colorado		Wilken, Ruth Robertson (Ed. 71)	D.C.
A.M. 1926, Radcliffe College		•Wilkie, Edward Charles (Jun. 115)	D.C.
White, James Bradley (Jun. 50)	Md.	Wilkins, Anne Anderson (Law III)	D.C.
White, Joe (Law I)	Ga.	A.B. 1914, Winthrop College	
A.B. 1936, Newberry College		Wilkins, Donald Leroy (Law, LL.M.)	D.C.
White, John William (Jun.)	D.C.	A.B. 1941, Olivet College, Michigan	
†White, Richard M. (Law III)	Md.	L.L.B. 1915, The George Washington University	
A.B. 1930, University of Maryland		Wilkins, Leah Woods De Groot (Ed. 11335)	D.C.
White, Ruth Sarah (Jun. 32)	Mass.	†Wilkins, Susie Katherine (Univ.)	Ala.
White, Welle Merrell (Univ.)	W.Va.	Wilkinson, Betty Gayle (Jun. 21)	Va.
Whitehead, David C. (Jun. 74; Col.)	Va.	Wilkinson, Glen A. (Law III)	Utah
Whitener, Russell P., Jr. (Jun. 18)	Va.	B.S. 1914, Brigham Young University	
Whitesell, Harry Sellers (Ed. 112)	D.C.	Wilkinson, Harmon Scott (Govt., A.M.)	Calif.
†Whitley, Hazel Lunsford (Jun. 33)	Ark	A.B. 1915, Chapman College	
Whitley, Ralph Davis (Med. II)	Ark	Willard, Eustene Lorenzo (Med. II)	N.Y.
B.S. 1917, The George Washington University		Willard, John Edwin (Col. 69)	S.C.
†Whitlock, Howard William (Eng., Uncl.)	Va.	Willis, Robert August (Jun. 15)	D.C.
B.S. in Arch. 1911, Clemson Agricultural College		†Willis, Mary Jo (Univ.)	Ind.
Whitney, Frank Johnston (Eng. 29)	Md.	Willst, Lillian Hathaway (Univ.)	D.C.
†Whitsett, Howard Hall (Jun.)	D.C.	Willst, William Sherman (Univ.)	Calif.
Whittle, Perry D. (Law III)	Idaho	Willsey, Robert Haven (Col. 69)	Utah
†Whittle, Jane Catherine (Univ.)	Ga.	†Williams, Ames William (Law II)	N.J.
A.B. 1914, Randolph-Macon Woman's College		A.B. 1915, The George Washington University	
Wholdhan, John Patrick (Univ.)	D.C.	†Williams, Austin Chappell (Govt. 6811)	Ga.
L.L.B. 1935, Georgetown University		†Williams, Doris (Col., A.M.)	D.C.
Wibby, John Darlington (Jun. 39)	Mich.	B.S. in Com. Ed. 1928, New York State College for Teachers	
†Wiece, Israel (Col., A.M.)	Pa.	Williams, Ellen Home (Jun. 64)	D.C.
A.B. 1917, The George Washington University		†Williams, Harry Raymond (Jun.)	Pa.
Wick, Homer Chapin (Jun.)	D.C.	Williams, Lee McLaurine (Col. 68)	D.C.
†Wicks, Joseph R. (Jun.)	D.C.	Williams, Lela Andah (Jun. 15)	D.C.
Widome, A. Allen (Med. IV)	D.C.	Williams, Lorraine Squier (Jun.)	D.C.
Widome, Blanche (Med. IV)	D.C.	Williams, Lyle LaVerne (Law I)	D.C.
A.B. 1914, The George Washington University		B.S. in M.E. 1915, University of Michigan	
†Wiebe, Thelma Jean (Univ.)	Ind.	Williams, Margaret Goodwin (Univ.)	D.C.
Wiener, Minnie (L.S., Uncl., Univ.)	N.Y.	A.B. 1911, Wellesley College	
B.S. 1920, College of the City of New York		Williams, Marthena Harrison (Jun.)	D.C.
A.M. 1932, Hunter College		†Williams, Nancy Lee (Jun. 20)	N.Y.
Wiest, Quentin William (Eng. 15)	Pa.	†Williams, Richard Francis (Univ.)	S.Dak.
Wilamowski, Edward Joseph (Jun.)	Pa.	Williams, Richard Monroe (Jun. 14)	Ark.
Wilbur, Herbert Tilden, Jr. (Med. I)	Maine	Williams, Robert Hays (Law III)	D.C.
A.B. 1912, University of Maine		†Williams, Robert Irwin, Jr. (Univ.)	Va.
Wilbur, Marvin Cummings (Govt., Uncl.)	Oreg.	Williams, Thomas Chaudless (Ed., A.M.)	Mich.
B.S.S. 1916, Oregon State Agricultural College		B.S. 1915, Vermont Military Institute	D.C.
Wilburn, Donald Ernest (Jun. 36)	Tenn.	Williamson, Charles John (Jun. 48)	
Wilcox, Alice Helen (L.S. 19)	D.C.	Williamson, Harry White (Jun.)	
Wilcox, George William (Jun.)	N.Y.	Williamson, Howard Carl Henry (Law II)	Iowa
Wilcox, Marion Breese (Jun. 33)	N.Y.	B.S. 1910, State University of Iowa	D.C.
Wilcox, Sidney Robert (Jun. 24)	Va.	Williamson, Margaret Ellen (Jun. 67)	Ark.
Wilcox, Uthai Vincent II (Med. III)	D.C.	†Williamson, Monroe W. (Jun. 45)	Minn.
Wilcox, Winifred Snowden (Col. 98)	Va.	Williamson, Robert Grant (Law II)	D.C.
		†Williamson, Rosalie (Univ.)	



Students Registered

xc1

†Williamson, Ruth C. (Univ.)	W Va.	Winthrop, Henry (Univ.)	N.Y.
Willman, Frank Louis (Med., M.S.)	D.C.	B.S. 1935, College of the City of New York	
B.S. in Med. 1922, M.D. 1923, The George Washington University		†Wirt, Henriette Randolph (Univ.)	Va.
Willink, Cecile Marie (Univ.)	Ga.	Wise, Charles Conrad, Jr. (C.J. 121)	D.C.
Willis, Arthur Burgess (Jun. 42)	D.C.	L.L.B. 1926, The George Washington University	
Willis, Bennett, Jr. (Jun. 45)	D.C.	Wise, George Waller (Law III)	Md.
Willis, Clyde Zuber (Jun.)	D.C.	A.B. 1926, The George Washington University	
Willis, John Brewster (Eng. 74)	D.C.	Wise, Jack Edwin (Jun.)	D.C.
Willis, Robert Eugene (Law I)	Okla.	†Wiseman, Dudley (Col., A.M.)	D.C.
A.B. 1925, Oklahoma Agricultural and Mechanical College		A.B. 1926, The George Washington University	
†Wilson, Alan, Neil (Jun. 12)	Idaho	Wiser, Ralph Lloyd (Law III)	Md.
†Wilson, Alfred Elliott (Univ.)	Va.	A.B. 1924, The George Washington University	
†Wilson, Allen Morgan (Jun. 99)	D.C.	Wisniewski, Jerome Joseph (C.L. A.M.)	Wis.
Wilson, Archie Temple (Jun. 18)	Okla.	B.S. 1926, Marynne University	
†Wilson, B. Douglas (Law I)	D.C.	Witeover, H. Wallace (Grad., Ph.D.)	S.C.
B.E. 1929, I. Law, Hopkins University		A.B. 1926, Duke University	
Wilson, Dorothy Roth (Law II)	Mo.	A.M. 1927, The George Washington University	
A.B. 1926, University of Michigan		Withamer, Etta Josephine (Col., A.M.)	Va.
Wilson, Edward Comstock (Med. III)	D.C.	A.B. 1925, The George Washington University	
A.B. 1926, The George Washington University		†Withers, Inama (Jun.)	N.J.
†Wilson, Florence Wiley (Jun. 30)	D.C.	†Witherspoon, Robert C. (Law I)	Wyo.
Wilson, Firman Westing (Univ.)	D.C.	B.S. 1937, University of Utah	
Wilson, Frances Lee (Col. 61)	Ala.	Witt, Daniel (Phar. 30)	D.C.
Wilson, George Wood, Jr. (Law III, L.L.M.)	N.C.	A.B. 1926, University of Pennsylvania	
A.B. 1924, University of North Carolina		†Witte, Gladys Martha (Univ.)	W.Va.
J.D. 1928, The George Washington University		†Witten, George O. (Jun.)	Tex.
Wilson, Herbert, Jr. (Med. III)	Tenn.	†Wittmann, Charles Howard (Col. 81)	N.Y.
†Wilson, Herbert Clark (Govt., A.M.)	Calif.	Wiczek, John Joseph (Jun. 58)	Wis.
A.B. 1927, University of California, Los Angeles		Wofford, Ruth Orce (Univ.)	D.C.
Wilson, Howard (Eng. 72)	D.C.	A.B. 1915, Limestone College	
Wilson, John Todd (Jun. 14)	Pa.	A.M. 1921, Columbia University	
Wilson, Leonard Albert (Jun.)	Nev.	Wolfigh, George C. (Jun.)	D.C.
Wilson, Louisa (Law II)	N.C.	Wolf, John Edward (Jun.)	Kans.
A.B. 1928, Randolph-Macon Women's College		†Wolfe, Estella Alvina (Col., A.M.)	Wis.
Wilson, Paul Randolph (Jun. 21)	D.C.	A.B. 1922, A.B. in L.S. 1924, The George Washington University	
†Wilson, Robert Joseph (Jun.)	D.C.	†Wolfe, Jean Estelle (Jun. 18)	D.C.
Wilson, Ruth (Jun. 12)	Iowa	†Wolff, Herbert (Univ.)	D.C.
Wilson, Samuel Stuart (Law, L.L.M.)	W.Va.	†Wolfsen, Harold Barnett (Eng.)	Pa.
A.B. 1927, Marietta College		Wolstone, Leon Levy (Law III)	Wash.
L.L.B. 1917, The George Washington University		A.B. 1926, State College of Washington	
Wilson, William Lyne (Law III)	Va.	†Wolosh, Sara Cooper (Univ.)	D.C.
A.B. 1927, Washington and Lee University		Wolverton, Margaret Winifred (Jun.)	D.C.
Wilson, Woodrow Walter (Univ.)	D.C.	†Wood, Bennett Wallace (Univ.)	D.C.
†Wiltshire, Gertrude Ray (Univ.)	D.C.	Wood, David Lorkin (Univ.)	Ill.
†Winfree, Bonnie Elizabeth (Jun.)	Fla.	B.S. 1914, Northwestern University	
Winmart, Genevieve Beckwith (Univ.)	Md.	Wood, Dudley Hubert (Col., A.M.)	Ala.
A.B. 1924, A.M. 1912, The George Washington University		A.B. 1922, University of North Carolina	
†Wimsatt, William Abell (Univ.)	Md.	Wood, Eleanor Virginia (L.S., Uncl.)	N.C.
†Winbell, Ralph (Jun. 18)	Okla.	A.B. 1927, Guilford College	
†Wing, Helen Elizabeth (Univ.)	N.Y.	Wood, Frances Rose (Ed., A.M.)	Va.
†Wingard, Eldon Wayne (Jun., Uncl.)	Kans.	B.S. 1922, Virginia State Teachers College, Harrisonburg	
Wingo, Marvin Richardson (Univ.)	Tex.	*Wood, Frank Luther (Jun. 108)	N.J.
†Winkelman, Elizabeth May (Jun. 6)	Pa.	Wood, Hazel Carolina (Ed., A.M.)	Va.
Winkler, Barbara Lydia (Jun. 54)	Md.	B.S. 1924, Virginia State Teachers College, Harrisonburg	
Winn, James Saxon, Jr. (Med. II)	Fla.	†Wood, Lavinia Martha (Univ.)	N.J.
A.B. 1910, Williams College		Wood, Lucy A. (Jun. 24)	Wis.
Winkow, Harry Jackson (Grad., Ph.D.)	Md.	†Wood, Marjorie Helen (Jun.)	Ohio
B.S. 1925, M.S. 1926, University of Minnesota		Wood, Rex Spencer, Jr. (Jun. 30)	Tex.
Winston, Robert Mitchell (Jun. 45)	Ky.	†Woodard, Charles Wallace (Univ.)	Utah
Winter, Anna Belle (Jun. 48)	Ohio	B.S. 1922, University of Utah	
		Woodard, Geoffrey Dean LeRoy (Col. 82)	D.C.

Woodard, James M., Jr. (Univ.)	Nebr.	Wythe, Zoe Florence (Col., A.M.)	Va.
Wooden, Eugene Jordan (Col., A.M.)	Ill.	A.B. 1917, The George Washington University	
A.B. 1917, The George Washington University		Wyvell, Eleanor Claire (Col. 75)	D.C.
Woodley, Frederick Williams (Law I)	D.C.	Wyvill, Alice Margaret (Univ.)	Md.
Woods, Alwyn George (Univ.)	Ala.	†Wyvill, Cecelia Elizabeth (Univ.)	Md.
Woods, Edwin Kirby (Law I)	Va.		
B.S. 1910, University of California, Berkeley		Y	
†Woods, Maude Wells (Jun. 48)	S.C.	Yaden, Audrey Virginia (Ed. 108)	Ky.
Woodside, Byron Darlington (Law I)	Pa.	Yadkowsky, Jean Marvin (Jun.)	D.C.
B.S. 1920, University of Pennsylvania		Yager, Erwin Albert (Law III)	Del.
A.M. 1911, The George Washington University		B.S. 1927, University of Delaware	
Woodside, Georgette Ingram (Univ.)	Pa.	M.S. 1929, Massachusetts Institute of Technology	N.Y.
Woodside, Letman Frank (Law II)	Ill.	†Yaffe, Sarah L. (Univ.)	
Woodside, Walter W. (Jun. 65; Col.)	Ill.	A.B. 1932, College of the City of New York	N.J.
Woolson, Sara Margaret (Univ.)	Va.	Yane, Boris S. (Col., A.M.)	
Woolson, Wilbert Tucker (Ed., A.M.)	Va.	B.S. 1933, New York University	N.Y.
A.B. 1916, College of William and Mary		Yanovsky, Esther (Col. 01)	N.Y.
Woodward, Anne Clark (Jun. 41)	D.C.	†Yanovsky, Ruth (Col., A.M.)	
*Woodward, Everett Harry (Jun. 115)	D.C.	A.B. 1916, The George Washington University	D.C.
Woodsdale, Thomas Plunkett (Jun. 13)	Vt.	*Yao, Zoung loo (Col., A.M.)	
Woodward, Walter Francis (Law I)	D.C.	A.B. 1916, St. John's University, Shanghai, China	D.C.
Woodard, Bruce Weldon (Univ.)	N.C.	Yarnall, Philip (Law I)	D.C.
Woodard, Lulu Freer (Univ.)	D.C.	Yates, Elizabeth Kathryn (Jun. 55)	D.C.
†Woolley, Willard Joseph (Jun.)	Mich.	†Yates, James Wallace (Jun. 24)	D.C.
Workman, Elizabeth Jean (Univ.)	D.C.	†Yauch, Mary Louise (Govt., A.M.)	Ohio
Worley, Arthur Taylor (Jun. 9)	Okla.	A.B. 1935, The George Washington University	
Worthley, Mary G. (Ed., A.M.)	Maine	Yee, Funn Suey (Phar. 101)	D.C.
A.B. 1924, Bates College		Yelmgren, Alden Emil (Jun. 28)	D.C.
Wren, Hurd, Jr. (Jun. 9)	Tex.	Yii, Chih-Yuan (Govt., A.M.)	China
†Wright, Doris Doble (Univ.)	D.C.	A.B. 1937, National University of Peking, China	
Wright, Dorothy Eleanor (Jun.)	Ohio	Yoast, Clyde William (Col. 120)	Neb.
Wright, Gertrude Jones (Univ.)	W.Va.	Yoch, Josephine (Jun.)	D.C.
Wright, Grace Stevens (Col. 72)	D.C.	Yocum, Mary Jean (Jun. 30)	W.Va.
Wright, Harry Otis, Jr. (Eng.)	W.Va.	Yokum, Evelyn Doris (Ed. 114)	D.C.
†Wright, Harvey Cecil (Govt., A.M.)	N.Y.	†Yokum, James W. (Univ.)	Ill.
A.B. 1918, The George Washington University		York, Jack (Jun. 33)	Pa.
Wright, Irene Mildred (Univ.)	D.C.	Yost, Paul Nace (Jun. 30)	Pa.
Wright, James Calvert (Univ.)	D.C.	Yount, Luke Binkley (Med. II)	
*Wright, James Otis (Law III)	Va.	B.S. 1936, Franklin and Marshall College	Ill.
B.S. 1914, North Carolina State College		†Young, Dorothy Mary (Univ.)	D.C.
*Wright, Mary Morris (Univ.)	D.C.	†Young, Gladys Marce (Univ.)	Md.
Wright, Myron Hensbrough (Univ.)	D.C.	†Young, Helen Daniels (Univ.)	
Wright, Sterling Wilson (Col. 86)	Pa.	A.B. 1916, Mount Holyoke College	Ind.
†Wright, Virginia Ann (Jun.)	Mich.	Young, Irma Catherine (Univ.)	D.C.
Wright, William Edward (Jun. 44)	Tenn.	†Young, Isabella Frances (Col., A.M.)	
†Wright, Young Jefferson (Eng. 116)	Mo.	A.B. 1912, The George Washington University	
Wukasch, Elvira Eleanore (Col. 88)	D.C.	†Young, Kathryn Compton (Univ.)	D.C.
Wyatt, John Herbert (Univ.)	Iowa	Young, Lester Irving (Jun.)	D.C.
Wyckman, Ethyl Elizabeth (Jun. 21)	Iowa	Young, Margaret Elizabeth (Jun. 18)	Wis.
Wyckman, Ruth (Univ.)	D.C.	Young, Maude Elizabeth (Col. 114)	Va.
Wyckoff, John H. (Jun. 49)	D.C.	Young, Mildred Branch (Ed. 83½)	D.C.
†Wydra, Miriam (Jun. 66)	D.C.	Young, Philip Miles (Jun. 30)	
Wye, William James (Law I)	Mass.	Young, Robert Francis (Univ.)	Utah
B.S. 1910, Massachusetts Institute of Technology		A.B. 1911, St. Thomas College	
Wylie, Frances (Law I)	S.C.	†Young, Sherman C. (Law I)	
B.S. 1915, Winthrop College	Md.	B.S. 1937, University of Utah	D.C.
Wynn, Evelyn Frances (Jun. 19)	D.C.	†Young, Sidney Hooper, Jr. (Jun.)	D.C.
Wysons, Mary Alta (Jun.)	Va.	Young, Virginia A. (Jun. 12)	Okla.
Wyas, Walther Erwin (Law II)		†Young, William Buford (Jun. 36)	Ga.
B.S. of E.E. 1931, M.S. of E.E. 1934, University of Wisconsin		Youngblood, Fred Ruthven, Jr. (Jun. 45)	N.Y.
*Wythe, George (Grad., Ph.D.)	Va.	Yurwitz, Julius Peter (Jun. 88; Ed.)	
A.B. 1914, University of Texas			

## Z

Zabel, Edward Otto (Jun. 87, Col.)	D.C.	Ziman, Edmund Allan (Med. II)	N.Y.
†Zachman, Victoria P. (Univ.)	Mich.	B.S. 1916, The George Washington University	
Zalmond, Albert Matchell (Law I)	D.C.	Zimmerman, William III (Univ.)	Ill.
B.S. in Eng. 1915, M.E. 1915, College of the City of New York		Zimmers, Neal Foster (Law III)	Ohio
†Zaritsky, Harry Gordon (Ph.D., A.M.)	D.C.	A.B. 1911, Denison University	
B.S. in Ed. 1913, University of Pennsylvania		Zingaro, Fulvio Tuhio (Jun. 21)	D.C.
Zauner, Olga Miller (Col. 116)	D.C.	Zinn, Dean Surguy (Univ.)	N.Mex.
†Zebbes, Frances Elizabeth (Col. 64)	D.C.	Zipser, Isidore (Col. 67)	N.Y.
Zelaska, Ralph Rudolph (Jun. 44)	Pa.	Zispe, Ellen Elizabeth (Jun. 45)	D.C.
Zellis, Allan (Med. I)	D.C.	†Zisch, Richmond Tucker (Grad. Ph.D.)	Ala.
†Zelsdorf, Robert Charles (Univ.)	Calif.	A.B. 1911, A.M. 1911, The George Washington University	
Zenowitz, Julius (Jun. 15)	N.Y.	Ziska, Irene Ann (Jun.)	Ind.
Zens, Dorothy Gertrude (Jun. 6)	D.C.	†Zuber, Don (Ed., A.M.)	Ark.
Zepp, Frances Knapp (Jun. 69)	D.C.	B.S. 1917, The George Washington University	
Zepp, Winchester Hammond (Eng. 47)	D.C.	Zubrecky, Joseph (Jun.)	Pa.
Zepal, Constantine (Law I)	Ill.	Zuckerman, Saul (Med. II)	D.C.
†Zabit, Samuel (Col., A.M.)	N.Y.	A.B. 1917, The George Washington University	
B.S. 1915, College of the City of New York		Zuelke, Raymond Charles (Law I)	Wis.
Zichterman, Harry William (Jun. 27)	D.C.	A.B. 1912, A.M. 1913, University of Wisconsin	
†Zihlman, Frederick Albert (Col., A.M.)	D.C.	*Zuras, Marie Amelia (Law III)	D.C.
B.S. 1917, University of Maryland		A.B. 1914, American University	
Zill, Anthony (Col., A.M.)	N.Y.	Zweig, Oscar (Jun. 29)	D.C.
B.S. 1914, College of the City of New York		Zwell, Leo (Col., A.M.)	N.Y.
		B.S. 1914, Brooklyn College	
		Zylman, J. Derk (Med. I)	Wis.



# STUDENTS REGISTERED IN THE SUMMER SESSIONS

1937

A			
Abramowitz, Abrahm	N.Y.	Arnold, Charles Weaver	Tenn.
A.B. 1935, Brooklyn College		A.B. 1937, Vanderbilt University	Calif.
Adams, Bernard William	D.C.	Arnold, James Chapman	Okla.
A.B. 1931, University of Minnesota		Arnold, Mabel A.	Okla.
Adams, Charles W.	Ga.	Ash, A. Russell	
Adams, Edmund	Mich.	A.B. 1934, William Jewell College	Ill.
Adams, Glendon W.	Utah	Ashman, Ebert Charles	D.C.
B.S. 1932, University of Utah		Atwood, Newell Arrowsmith	
Adams, Leontine Towson	Va.	A.B. 1932, University of Michigan	D.C.
Alten, Thomas P.	Mont.	Austin, Violet Kathryn	
Akers, Edna	Ky.	A.B. 1928, The George Washington University	Okla.
Alden, Cyril Lawrence	Mich.	Awtrey, Ray	
Alden, Manning W.	Md.	B.S. 1931, University of Oklahoma	Tenn.
Alex, Frances Clement	D.C.	Ayre, Josephine	
Alexander, Frederica	Conn.	B.B.A. 1934, University of Chattanooga	
A.B. 1916, Vassar College		M.S. 1935, University of Arizona	
M.D. 1920, Cornell University	Ind.	B	
Alexander, Helen McConnell		Backus, Curtis Beall, Jr.	Va.
B.S. 1922, University of Illinois	Calif.	Bacon, James Henry, Jr.	D.C.
Alexander, Theodore Mack		Barby, Helen Satter	D.C.
A.B. 1935, The George Washington University	Okla.	Baker, John Walton	Mich.
Alford, Leonard B.		Baker, Martha Thornburg	D.C.
A.B. 1935, University of Oklahoma	Md.	A.B. 1929, Marshall College	Colo.
Alfere, Kent Davall	Va.	Baker, Robert Merritt	D.C.
Allen, Hugh A., Jr.	Okla.	Bales, W. L.	
Allan, Wilton Stanley	Pa.	A.B. 1924, A.M. 1926, The George Washington University	Ala.
Amend, John Frederick	D.C.	Ball, Edward Lee	Ohio
Ames, Harry Clifton, Jr.		Ball, Frederic Joseph	
A.B. 1930, The George Washington University	Iowa	A.B. 1925, Heidelberg College	Colo.
Amick, Kenneth Dean	Conn.	Ballard, Richard Patten	Ill.
Ammerman, Harvey	Md.	Balskey, Clare Virginia	
Amos, Wallace Raymond	D.C.	A.B. 1934, Beloit College	N.Y.
Andersen, Arthur Olaf	S.Dak.	Balaska, Albert	Ohio
Anderson, Arthur		Balwanz, William W.	Pa.
B.S. 1933, Worcester Polytechnic Institute	Utah	Banachowski, Chester	
Anderson, Garfield O.		A.B. 1937, The George Washington University	N.Y.
A.B. 1934, University of Utah	D.C.	Bandell, David	Utah
Anderson, George Nathan	Utah	Banks, Don H.	Va.
Anderson, Wendell B.		Baptist, Thomas G.	Miss.
B.S. 1935, Utah State Agricultural College	S.C.	Barber, Charles H.	Ark.
Andrews, Alexander Matheson	D.C.	Barber, Stuart B.	
Andrews, Elizabeth Marie		A.B. 1934, Dartmouth College	Md.
A.B. 1923, The George Washington University	D.C.	Barbour, Robert T.	Conn.
Andrews, Joseph	D.C.	Embry, Anthony Robert	Ala.
Ansell, Nancy Lydia	Iowa	Bauser, Alphonso S.	
Apland, Edythe	Colo.	B.S. 1932, Howard College	Tenn.
Arbaciaat, Alice Elizabeth		Barker, William Samuel	
A.B. 1933, University of Colorado	Ala.	A.B. 1935, King College	Utah
Arm, Mary Dell	D.C.	Barlow, Milton A.	D.C.
Armstrong, Ella Dell		Barnard, Elizabeth Cassel	N.C.
B.S. 1934, Wilson Teachers College	Kans.	Barnes, Lillian P.	D.C.
Arnold, Harold Arthur	Va.	Barnwell, William Eugene	D.C.
A.B. 1937, Washburn College	D.C.	B.S. 1931, Presbyterian College	Ohio
Armstrong, Charles Francis		Bartos, Mike Jerome	Pa.
Arnn, Thelma A.		Basar, Frances Ann	
		Bach, Janice Hamilton	

Students Registered

XCV

Bassler, Anna Bowden A.B. 1924, A.M. 1929, The George Washington University	D.C.	Babbitt, Oscar Price Bacon, Joseph Barrows, Jr. Bagnay, Herman Bagen, Iuer Eugenia Bald, Grace Balev, Morris V. Baldam, Eleanor Bicknell Bault, Sherwood Kenneth A.B. 1922, Pennsylvania State College	Tex. D.C. N.Y. D.C. D.C. Okla. Tenn. Pa.
Beale, Edwin Elizabeth Beale, G. William, Jr. Beall, W. H. Beane, John R. L., Jr. Beath, Paul Robert A.B. 1928, University of Illinois A.M. 1929, University of Wisconsin	Va. D.C. D.C. D.C. Nebr.	Bachelt, Ben Battimore, Edith Anne Battier, Delmar L. Baudry, Beth Bawes, John Thomas Bawes, Theodore L. B.S. in F.E. 1929, University of Illinois	Mo. Va. N.Dak. Miss. Va. Va.
Beebe, William D. W. Behrmann, John Edward Belaval, Gustavo S. Belaval, Lister Bell, Hannah Perley Bell, Julius R. A.B. 1921, Ph.D. 1928, Indiana University	Conn. Conn. P.R. P.R. D.C. Md.	Bowers, Richard Simpson Bachus, Emma Laing Bowman, Charlotte I. Bowman, Mary Boyd, Augustus S., Jr. Bradford, William Th.B. 1924, Atlantic Union College B.S. 1920, The George Washington University	D.C. D.C. Va. Va. D.C. Va.
Benitez, Helena Z. A.B. 1924, B.S. in Ed. 1934 The Philippine Women's University	P.I.	Bradford, William E. A.B. 1924, University of California, Los Angeles	Calif.
Bennett, L. Thompson, Jr. LL.B. 1926, The George Washington University	Mich.	Brainard, Richard Reade F.E. 1922, Cornell University	Va.
Bennett, Millard MacDonald A.B. 1927, Yankton College	S.Dak.	Brainard, Frances Rackwell Bradt, Mildred Graydon Brannon, Thirza Jones A.B. 1924, Emory University	D.C. Pa. Ga.
Benson, Donald C. B.S. 1923, University of Utah	Utah	Branscombe, Arthur Allison Braswell, Frances Ann A.B. in Ed. 1927, Florida State College for Women	D.C. Fla.
Bentley, Oscar Marbury B.S. 1929, Howard College	Ala.	Bratt, B. W. Braxton, Lester Brockmeyer, John Brent, Aubrey Sunde Brewer, Ruth Genevieve Bridgwell, Day A. A.B. 1920, University of the South A.M. 1922, Princeton University	Nebr. D.C. Mo. D.C. D.C. Ark.
Berg, Clarence Bessard, Amelie Camille Berndt, Leo Bernau, Mildred Sophia B.S. 1926, University of Wisconsin	N.J. La. Okla. Wis.	Briggs, Read Richmond A.B. 1922, Stanford University	Calif.
Bert, L. Morris Betha, Glida Louise B.S. 1924, Mississippi State Teachers College, Hattiesburg	Ark. Miss.	Britt, William Gayser Brick, Wallace Daniel Brady, Herman Bransburg, Garnet Christian Brasler, Ruth Curry Brasler, M. Howard A.B. 1923, University of Southern California	Tex. Fla. Ohio Va. Md. Calif.
Bethell, James Truman M.E. 1913, Stevens Institute of Technology	N.Y.	Brown, Evelyn Mae Brown, Francis Ray Brown, Joseph Sylvester Brown, Lela Kathryn A.B. 1925, Texas State Teachers College, West	D.C. Ariz. Ga. Tex.
Beyer, Glenn H. A.B. 1922, Augustana College	S.Dak.	Brown, Belman O'Neal A.B. 1924, Duke University	S.Dak. N.Y. S.C.
Biesenmier, Harold Graduate 1918 U. S. Naval Academy LL.B. 1922, The George Washington University	Calif.	Bryant, Herbert Kenneth B.S. 1923, Colby College	Maine
Bingham, Rupert B.S. 1926, University of Pennsylvania	Mont.	Rudow, Conrad Theodore Buggy, Paul Edouard	Wis. Pa.
Bird, Norman Luther Bishop, Morris Comstock Bittler, Ruth Lyle A.B. 1924, University of California, Los Angeles	Mo. Tenn. Calif.		
Birkland, Louis I. Blackhurst, James Watts A.B. 1924, University of North Carolina	Utah Md.		
Blaine, James William Bledsoe, Edwin Fane B.S. 1923, Washington and Lee University	Idaho D.C.		
Blodorn, Helen May Blum, Irwin Ellis B.S. 1923, Brooklyn College	D.C. N.Y.		
Boam, John A. Bobbitt, Kimball R., Jr.	Conn. Fla.		

Borch, Jacob	D.C.	Cawood, Elizabeth Clark	D.C.
Borch, Mary Elizabeth	Pa.	Champlin, Dale Wesley	Pa.
Borgos, Nelly Xerez	S.C.	Chandler, William Eugene	S.C.
Ph B 1916, University of the Philippines	Ga.	Chapman, David Graham	Ga.
Burkart, Robert Howard	Kans.	Chapple, William A.	
Burke, F. Richard	N.Y.	L.L.B. 1914, University of Kansas	N.Y.
Burke, Frances Marie	Pa.	Chasnoff, Abraham	Pa.
A.B. 1925, The George Washington University	Iowa	Chesnick, Emanuel	Iowa
Burnett, Edmund Cody, Jr.	Md.	Christensen, Carl William	Md.
A.B. 1916, The George Washington University	Ill.	Christie, Alfred III	Ill.
Burnett, Waldo Emerson	Utah	Christoferson, Herbert Carl	Utah
Burns, Nina	Minn.	Christoffersen, Wayne L.	Minn.
Burruss, Mary Smith	China	Christopherson, Olaf Warren	China
Burruss, Robert Page		Chu, Chia Chen	
Burt, Sherman E.	A.B. 1934, Central Political Institute, China		
B.S. 1932, University of Utah	Md.	Claffin, Alison Renée	Md.
Busch, Margaret Temple	D.C.	Claggett, Marshall	D.C.
A.B. 1915, The George Washington University	Utah	A.B. 1917, The George Washington University	Utah
Bush, Stone Elkin	N.H.	Clark, Donald F.	N.H.
Butcher, Hugh Wesley		A.B. 1925, University of Arizona	
Butrick, Ruth Evelyn	Ga.	Clark, Louis Watts	Ga.
Butrum, Lena Heaner	Ind.	Clark, Marjorie Ida	Ind.
A.B. 1912, The George Washington University	D.C.	Clark, Martha Loman	D.C.
Butts, Helen Elizabeth	D.C.	Clauston, Flora Marguerite	D.C.
Butz, Harry Paul		Cleveland, Ruth F.	
A.B. 1932, University of Maryland		Clother, Kenneth George	
Byron, Roger Alan	N.Y.	A.B. 1911, St. Viator College	N.Y.
A.B. 1935, Berea College	Md.	Cloud, Preston Erstelle	Md.
		Cobb, Cully Alton, Jr.	
		Coffman, Arthur George	
		Coggins, John W.	
		Cohen, Robert Lee	
		Cohn, Joseph Robert	
		Colby, Fred Welby	
		Colgren, John Harold	
		Collett, Charles Ellsworth	
		Collins, Fred von Versen	
		Collins, Stanley Newcomb	
		A.B. 1925, Bowdoin College	
		L.L.B. 1912, The George Washington University	
		Comack, Henry	
		B.S. 1913, College of the City of New York	
		Commerford, Leon, Jr.	
		Conley, Joseph Frank	
		A.B. 1921, University of Kentucky	
		Condon, Charles Francis, Jr.	
		Connelly, John Wadsworth	
		B.S. 1923, Georgetown University	
		A.B. 1923, L.L.B. 1927, The George Washington University	
		Conner, John Davis	
		A.B. 1921, Baylor University	
		Connerat, George Hillyer	
		A.B. 1912, University of Georgia	
		M.B.A. 1914, Harvard University	
		Connerat, Robert Vincent	
		A.B. 1921, University of Georgia	
		Connors, Joseph A., Jr.	
		L.L.B. 1927, The George Washington University	
		Conradi, Albert M.	
		Conrad, Dorothy Horton	
		Cook, Coleman Pickett	
		Cook, Hildegard	
		Cook, Perry Edgar	
		Cooley, Rachel Adeline	
		Corbett, James Henry	
		Corbin, Alvin LeRoy	



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Corcoran, Ellen Fox B.S. 1927, Virginia State Teachers College, Fredericksburg	Va.	Davis, William Downing, Jr. A.B. 1915, A.M. 1936, University of Alabama	Ala.
Corker, Charles E.	Idaho	Dawson, Allen C.	Ill.
Costantini, August Mario	R.I.	Ed.B. 1916, Southern Illinois State Normal University	Mo.
Coston, Frances Murice	N.Y.	Dawson, Donald S.	Mont.
Cotton, John A.	D.C.	A.B. 1930, University of Missouri	N.Y.
Couperthwaite, William Joseph	Pa.	Dawson, Roger Ralph	Ohio
Covington, Cecil L.	Tex.	DeAngelis, Vincent James	Tex.
A.B. 1933, Baylor University	Va.	Deary, John Paul	Tenn.
Cowles, Carroll William	Wash.	DeBusk, Manuel C.	Okla.
Cox, Oral G., Jr.	Ark.	A.B. 1911, Texas Technological College	Ill.
Cox, William Stanley	Ill.	Deelman, Bertram Cottingham	Ohio
A.B. 1911, Arkansas State Teachers College	D.C.	A.B. 1937, University of the South	D.C.
Crane, Ida	Ill.	DeLay, Bethel	Ill.
Crawford, Frances Victoria	Ill.	B.S. 1910, Oklahoma Northeastern State Teachers College	D.C.
Cromer, George William	Md.	M.S. 1916, Oklahoma Agricultural and Mechanical College	Mass.
B.S. 1921, University of Illinois	Ark.	DeMik, William J.	D.C.
Cronmiller, LePage, Jr.	Pa.	Dence, Walter Edward	Mass.
B.S. 1924, St. John's College	Md.	A.B. 1932, University of Toledo	D.C.
Crooks, William	N.Y.	Dengler, Helen Marjorie	Ill.
Crossetto, Albert George	D.C.	Denis, Reid M.	D.C.
Cross, James Garland, Jr.	D.C.	Dent, John Clayton	Ill.
B.S. 1935, The George Washington University	Utah	Denton, Howard Dunn	D.C.
Cross, Ruth Barbara	D.C.	Dermoddy, Woodrow Grimes	D.C.
Crossfield, Philip	Utah	Derr, George Lewis	D.C.
Crouch, Paul Clinton	D.C.	Detre, Doris D.	Md.
Cruzier, Gordon William	Va.	DeVeau, Joseph Harold	Tex.
A.B. 1933, University of Utah	D.C.	B.S. 1931, University of Pennsyl-	Mont.
Crump, Warren Clifford	Va.	Dickson, Lucy Lee	D.C.
Cubbage, Saylor Casper	D.C.	Dierberner, Wesley Arthur	Ohio
A.B. 1926, Bridgewater College	N.Y.	B.B.A. 1933, University of Wash-	D.C.
A.M. 1941, University of North Carolina	D.C.	ington	D.C.
Cubero, John Gregory	N.Y.	Dietrick, Paul Aaron	W.Va.
Cuniglio, Vito	D.C.	Dill, Wendell M.	Calif.
Cupples, Homer L.	D.C.	Dillman, Geraldine	D.C.
B.Ch.E. 1921, M.S. 1922, Ph.D. 1924, Ohio State University	Md.	Dillon, Thelma	D.C.
Curran, Harold W.	Calif.	Donaher, Richard William	D.C.
A.B. 1932, The George Washington University	Calif.	Donn, Frederick Young, Jr.	D.C.
	Fla.	Donnelly, John Joseph, Jr.	Calif.
		Donoghue, Mary Eleanor	Fla.
		Donoho, Donovan Haskell	
		LL.B. 1947, The George Washington University	
		Donohoe, James A., Jr.	
		Donovan, Jack Theodore	
		Dooden, William Horace	
		Dosse, Christopher Alfred	
		B.S. 1944, The George Washington University	
		Dootson, John Todd	
		Dorius, Earl Nelson	
		Dorney, Celeste	
		Dorsett, Harold L.	
		Dorsey, Charles Bennett	
		Dougherty, Edward Kubel	
		B.S. 1916, Massachusetts Institute of Technology	
		Dougherty, Robert Emmett	
		Douglas, Walter Robinson	
		Dove, Samuel	
		B.S. 1936, Wilson Teachers College	
		Dowd, Thomas Nathan	
		Downey, Paul William	
		Doxey, Roy Watkins	
		Draigner, Abe M.	

Drake, Daniel O. B.S. 1915, University of California, Berkeley	Calif.	Ewing, William Prewitt A.B. 1927, William Jewell College	Mo.
Drury, Audine Esther	Va.	F	
Dublin, Jack	Colo.	Falk, Byron Adrian	Minn.
Duff, Edward Hoover	D.C.	Falk, Marie Claeson	Minn.
Dumas, Alfred James	W.Va.	Fallon, Arlene V.	N.Y.
Dunbar, Marguerite M.	D.C.	Farha, Sammy M.	Okla.
Durham, Tom Austin	Wash.	Farhood, William	D.C.
Dyas, Richard Campbell A.B. 1929, University of Illinois	Ill.	A.B. 1917, The George Washington University	
Dye, Norma Avanelle	Ill.	Farley, Bettie Haywood	Md.
Dysinger, Myron Allen	Ohio	Farmer, A. Warren	Nebr.
B.C.E. 1924, Ohio State University		Featherston, Moxley A.B. 1935, Hardin-Simmons Uni- versity	Tex.
E			
Eagle, Harold B. A.B. 1936, West Virginia University	D.C.	Feer, Ellis	D.C.
Ebel, M. Katherine Keller	D.C.	Feldman, Edwin Bernard	D.C.
Eckert, Thomas Joseph	D.C.	Ferguson, Robert E.	Kans.
Eddy, Donald B.	Conn.	Fernaser, Evelyn Elizabeth	Ill.
A.B. 1935, Cornell University		Ferris, Courts E. B.J. 1936, University of Missouri	
Eden, Philip	N.Y.	Fielder, Frederick Alan	Ariz.
A.B. 1934, Brooklyn College		Fieselman, Ben W.	Iowa
Edwards, Jesse Hale	Okla.	A.B. 1934, University of Dubuque	D.C.
Edwards, John A.	Vt.	Filley, Ferris Brint	D.C.
Egge, Julian Sanford	Wis.	Finckel, Elinor Keller	
Ehlshlager, Adam Charles A.B. 1936, The George Washington University	D.C.	A.B. 1931, The George Washington University	D.C.
Eicher, Elizabeth	Iowa	Firor, Marjorie Edith A.B. 1935, The George Washington University	
Eisenhart, Charles H. B.S. 1929, Ohio State University	Ohio	Firth, William Ellsworth	D.C.
Eisenhauer, May Kent		Fischer, Richard Henry	Okla.
A.B. 1911, University of Chicago	D.C.	Fisher, Guin Menard	D.C.
Eldridge, Anna Lucille	N.Y.	Fisher, Jerome L.	D.C.
Eldridge, Eugene Russell	N.Y.	Fisher, Martha Rhodes	N.Y.
Elggren, C. Allen	Va.	Fishman, Bernard R.	Va.
Ellerin, Milton	Conn.	Flashness, Fredena	Md.
Elliott, Charles Francis	Ga.	Fleming, Edar von L.	D.C.
A.B. 1931, Harvard University		Fleming, Euclid Story	Tex.
Ellis, Anne Perkins	Ala.	Fletcher, Lloyd, Jr. B.B.A. 1936, University of Texas	Fla.
A.B. 1926, Goucher College		Floyd, Charles Henry Bourka	Ill.
Ellis, Arthur William B.S. 1924, University of California, Berkeley	Oreg.	Foebel, Norman Edwin	D.C.
Ellis, Elsie Barnes	Va.	Fogle, Rita Estelle	Tex.
Ellis, Leonidas Wilson, Jr.	Va.	Foley, James Herbert A.B. 1935, College of Wooster	D.C.
Ellis, Ruth Joy	Md.	Folston, Mortimer James	D.C.
Ellison, Frances Waters	W.Va.	Fonoroff, Bernard	Kans.
Ellmann, Florence Smith	D.C.	Foot, Charles Wilson	D.C.
A.B. 1910, Cornell University		Foot, Margaret Bennett	D.C.
Elsberg, Harold	D.C.	Footer, Marvin Peace	Tenn.
Elses, Myra Elizabeth A.B. 1921, University of Richmond	Va.	Ford, Walter Edward, Jr.	Ill.
Elvove, Ethel	D.C.	Forshier, Dorothy	D.C.
Emerson, Earl W.	D.C.	Fort, Mary Frances	Wis.
Emmons, Thomas M.	D.C.	Fortney, Gordon A.B. 1932, University of Wisconsin	D.C.
Enoix, Katherine Marsh	Nebr.	Fowler, James Abbott	Md.
Englebach, Margaret Elizabeth	Mich.	Fox, Hazel A.B. 1931, Goucher College	D.C.
English, E. Maxine A.B. 1932, University of Kansas	Mo.	Fox, Helen	N.Y.
Ennes, Howard W., Jr.	D.C.	Fox, Irving A.B. 1927, The George Washington University	
Enocha, Elisabeth Shirley	Va.	Fracker, Doris M.	D.C.
Epstein, Rhoda Bernice	D.C.	Francisco, Wellington	N.I.
Ereza, Monty	D.C.	Lin B. 1930, Rutgers University	
Erling, Agnes E.	Minn.	Fredricks, Anthony Theo	Idaho
Etzell, Maurice Leonard	Minn.	Freedman, Selma Goldie	D.C.
Everett, Elizabeth Muev	Mich.	Freeman, Mary Eleanor	Tex.
Everett, Grover Woodrow B.S. 1935, University of Virginia	Va.	Frendliger, Maurice	
Ewing, Lowell Howe	Va.		

Students Registered

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Freese, C. Norman  
A.B. 1936, DePauw University  
Friede, Charles Robinson  
Friedman, Mildred Josephine  
Friedman, Sadie Belle  
A.B. 1937, The George Washington  
University  
Froyd, Lawrence Wilbur  
Fry, David H.  
Fu, Au  
Fuller, Katherine Louise  
Fulton, James Lesley, Jr.  
Furlow, Margaret

Ill.  
D.C.  
D.C.  
D.C.  
Va.  
D.C.  
D.C.  
Md.  
Ind.  
D.C.

G

Gagon, Daniel Harvey  
Gallard, Green Rayner  
B.S. 1934, Mississippi State College  
Gallagher, Pauline E.  
A.B. 1932, University of Kansas  
Galloway, James Henry  
B.S. 1933, University of South  
Carolina  
Galloway, William F.  
Gamble, Mildred  
Gamble, Savilla Latham  
Gammon, James Eugene Fair  
A.B. 1937, The George Washington  
University  
Gammons, Harold Lester  
B.S. 1935, Massachusetts Institute  
of Technology  
Gammons, Robert Trafton  
B.S. 1933, Massachusetts Institute  
of Technology  
Gann, Mahlon James  
B.S. 1933, St. John's University,  
Minnesota  
Garber, Elizabeth Mumma  
A.B. 1929, Hood College  
Gardner, Casper Steinmetz  
Gardner, James Rue  
Gardner, Marion Edward  
A.B. 1931, Berea College  
A.M. 1932, University of Illinois  
Gardner, Virginia Mason  
Gareau, Charles Frederick  
Garlick, Robert Gordon  
Garrison, Irene Grace  
A.B. 1928, Ames Scott College  
Gartside, Frances Morris  
Gartrell, Everett Albert  
B.S. in E.E. 1931, Worcester Poly-  
technic Institute  
Gaston, Leslie Homer  
B.S. in C.E. 1929, Purdue University  
M.S. 1932, University of Michigan  
Gates, Ruth M.  
B.S. 1930, New York State Teach-  
ers College, Buffalo  
Gav, Martha Elizabeth  
Gerstein, Lillian  
Gersten, Maurice R.  
Gez, Howard  
B.S. 1930, Syracuse University  
Gibbons, Robert D.  
Gibson, Mahlon William, Jr.  
Gibland, Norman Ambrose  
Gibkey, Earle W.  
Gibner, John Bentley  
Giltner, Bernard Lee  
Giltner, Harriet C.

Utah  
Miss.  
Mo.  
S.C.  
Idaho  
Ga.  
D.C.  
Mont.  
Mass.  
Mass.  
S.Dak.  
Pa.  
Ky.  
Ala.  
Ky.  
Va.  
Mass.  
Cal.  
Ga.  
D.C.  
D.C.  
Ind.  
N.Y.  
D.C.  
D.C.  
Conn.  
Pa.  
Mich.  
Ind.  
Va.  
Wash.  
Va.  
D.C.  
D.C.

Gish, Eleanor Elizabeth  
Given, Ralph, Jr.  
A.B. 1935, The George Washington  
University  
Goldaby, Theodore D.  
Goldstein, Joseph A.  
Goodman, Rose Spain  
A.B. 1934, Mississippi State College  
for Women  
Goodrich, Ernest W.  
A.B. 1935, College of William and  
Mary  
Goodson, Carl Kelly  
A.B. 1935, University of Alabama  
Gordon, Herman Lewis  
B.S. in Eng. 1933, College of the  
City of New York  
Goslin, Finley Harrison  
A.B. 1936, Phillips University  
Gounas, Marcus Peter  
Graddis, Albert Harold  
B.S. in Ch.E. 1934, New York  
University  
M.Ch.E. 1936, Polytechnic Insti-  
tute of Brooklyn  
Granier, Jim Albert  
Gray, George O.  
Graybill, Anna Marjorie  
A.B. 1925, Bridgewater College  
Green, Elizabeth Ann  
Green, Nathan  
Green, William Stevenson  
A.B. 1931, A.M. 1932, Pennsyl-  
vania State College  
Greenberg, Arnold Sidney  
Greenberg, Bernard  
Gries, Robert Goff  
A.B. 1935, Miami University  
Griffin, John Joseph  
Griffith, Kelley Edward  
Grillo, Maurice W.  
Griswold, Marjorie Mae  
Gross, Charles F.  
Grosvenor, Gloria  
Grubic, Eli  
Gubersky, William  
Guibranson, Don Ivor  
Gullickson, Gordon  
Gussman, George  
B.S. 1932, College of the City of  
New York  
A.M. 1933, Columbia University

Md.  
D.C.  
Ark.  
D.C.  
Miss.  
Va.  
Ala.  
N.Y.  
Okla.  
Pa.  
N.Y.  
Mont.  
Tex.  
Va.  
N.Y.  
Ohio  
Pa.  
D.C.  
N.Y.  
Ohio  
La.  
Va.  
D.C.  
Okla.  
N.Y.  
Md.  
D.C.  
N.Y.  
D.C.  
Iowa  
N.Y.

H

Hadnott, John R.  
Hagan, Ernest Conway  
B.S. 1935, Virginia Polytechnic In-  
stitute  
Hagen, Arthur Chris  
B.S. 1935, University of Idaho  
Haine, John Louis  
Hast, Frances E.  
Hale, E. William, Jr.  
A.B. 1931, Washington and Lee  
University  
Hale, M. James  
Hale, Teresa V.  
Haley, Andrew G.  
L.L.B. 1928, Georgetown University  
Hall, Clare Wilson  
Hall, Norman Brierly  
Hallam, Henry Charles, Jr.

N.C.  
Va.  
Idaho  
Ark.  
Ill.  
Tenn.  
D.C.  
D.C.  
Wash.  
Ill.  
D.C.  
D.C.



## The University Record

Hamblin, Jack Arthur	Wis.	Henry, William N.	Pa.
Hamill, John Stafford	D.C.	B.S. 1931, Pennsylvania State Teachers College, West Chester	
Hammerly, Jesse Murray	Va.	M.S. 1932, Temple University	Ill.
B.S. 1930, A.M. 1930, Columbia University	D.C.	Hermach, Francis L.	N.C.
Hammill, Caroline Ashby	N.Y.	Hester, Hugh B.	
Hammond, Charles Edward	Colo.	A.B. 1916, University of North Carolina	Ark.
Hand, Frank Bailey		Hiegel, John M.	Va.
A.B. 1936, The George Washington University	D.C.	Hiehle, Wilbur W.	N.J.
Handwerk, Mary Anna King	D.C.	Higgins, William Francis	D.C.
Handy, Walter Kerr, Jr.	Va.	Hildebrand, Harriett Elizabeth	Ga.
Hanigan, Helen Rebecca	D.C.	Hill, Earl White	Kans.
Hankins, Robert Barrow	D.C.	Ph.D. 1927, Emory University	
A.B. 1936, The George Washington University	Mont.	Hill, Gaylord F.	Ill.
Hanks, Clementine	W.Va.	Mus.B. 1930, University of Kansas	Wis.
Hanley, Donald B.	Kans.	Hill, James Wilburn	
Hanna, George Edward	D.C.	Hill, John Lyman	
Hannan, Loretta		A.B. 1937, The George Washington University	Ill.
A.B. 1932, A.M. 1937, The George Washington University	D.C.	Hill, John Robert	D.C.
Hannay, Agnes Katherine		Hill, Mary Richards	D.C.
A.B. 1930, Bryn Mawr College	Maine	Hiltz, Robert Alvin	D.C.
Hanscom, Fred Robert	Md.	B.S. 1937, Wilson Teachers College	D.C.
Hanson, Arthur Briggs	Miss.	Hinson, Edwards Reid	D.C.
Hardy, Leonard Daniel	D.C.	Hiscox, Nell Fremont	
Harlee, Ella Fulmore	D.C.	A.B. 1936, The George Washington University	
Harmon, Hortense Marie	N.Dak.	Hitch, Helen Joyce	Okla.
Harrell, Amelia S.	D.C.	Hoagland, Philip Lee	D.C.
Harris, Ernest Malone, Jr.		Hobart, Carol	D.C.
A.B. 1931, Wake Forest College		Hobbs, Helen Josephine	N.Y.
LL.B. 1936, The George Washington University	D.C.	Hoerber, Paul, Jr.	Idaho
Harris, Henry Mervin	Va.	Holden, James Bernard	Ark.
Harris, John Ashton		Hollabaugh, Marcus A.	D.C.
A.B. 1932, University of Richmond	Nebr.	Holland, Teresa Marie	D.C.
Harris, Laura	D.C.	Hollingsworth, Samuel S.	D.C.
Harrison, Venton Rufus	Idaho	Holloran, Margaret Anna	N.Y.
Hart, Joseph Irel		Holloway, O. Willard	Oreg.
A.B. 1933, Brigham Young University	Calif.	Holmes, Ralph	D.C.
Hartwell, Brace Frederick		B.S. 1934, University of Oregon	D.C.
A.B. 1935, American University	Wash.	Holober, Melvin Charles	
Harvey, George Reuben	Idaho	Holston, Verner Maurice	D.C.
Harvey, Vera Mae	D.C.	B.S. 1928, Columbia University	Utah
Hatchett, Lela Margaret	Pa.	Holt, Mary Elizabeth	
Haubner, John Wesley	Miss.	Homer, David	
B.S.E. 1934, Princeton University		B.S. 1932, M.S. 1932, Utah State Agricultural College	Pa.
Hayes, Aline		Hooker, John Stam	Md.
B.S. 1931, Mississippi State Teachers College, Hattiesburg	Va.	B.S. 1932, University of Pennsylvania	
Hayes, Douglass Ridgely	D.C.	Hope, Clifton	D.C.
Haynes, John Lennet		A.B. 1937, Washington College	D.C.
B.S. in C.E. 1930, The George Washington University	N.C.	Hornstein, Sophie	N.Dak.
Head, James Felton	W.Va.	Hortman, William Franklin, Jr.	N.Y.
Hechmer, M. Antoinette		Horton, Hugh Byron	
LL.B. 1921, The George Washington University	Wis.	Hosley, Richard E.	D.C.
Hecht, Arthur	D.C.	M.E. 1934, Cornell University	
Helvestine, Albert Harrison		Hottenstein, David	N.Y.
B.S. in Eng. 1933, B.S. in E.E. 1935, The George Washington University	D.C.	J.D. 1937, The George Washington University	Va.
Henderson, Roy Burge	D.C.	Houlahan, Charles William	D.C.
Henderson, Ruth Anthony	Mass.	Houlahan, Mary Shelor	D.C.
A.B. 1928, Wilson College		Houston, Flora K.	N.Mex.
Hendrickson, Marguerite L.	Md.	Howard, I. Ray	
Hendrix, Grace Beth	Ind.	Howard, Josephine Theo	Calif.
Hennig, Hugh M.	D.C.	A.B. 1929, The George Washington University	
Henry, Helen M.	Pa.	Hubbart, Dwight Lowell	Utah
		A.B. 1937, The George Washington University	Ohio
		Huber, Albert	
		Huden, Melvin	
		A.B. 1933, University of Dayton	

Students Registered

ci

Hudgins, Mary Ella	N.C.	Jennings, Dorothea Estelle	D.C.
Huff, Carroll Woodrow	Ohio	Jensen, Joy	Utah
Huffman, Yale Bryant, Jr.	Nebr.	Jobe, William Theodore	Md.
Huhn, Florence Celestia	D.C.	A.B. 1927, A.M. 1932, The George Washington University	
B.S. 1936, Wilson Teachers College		Johns, Frank Grover	D.C.
Hulbert, Leila	Md.	Johnson, Arthur	Ala.
Hull, Maury I.	Tenn.	A.B. 1918, University of Alabama	
Hunt, C. Howard	Md.	Johnson, Augustus Clark	Va.
Hunt, Lucy Jones	D.C.	Johnson, Doris Marie	Pa.
A.B. 1937, The George Washington University		A.B. 1926, University of Michigan	
Hunt, Robert Miller	D.C.	Johnson, Frances Ashlin	D.C.
Hunter, Edwin Ford, Jr.	La.	A.B. 1937, The George Washington University	
Hunter, William James D.	Va.	Johnson, George G.	Ill.
Huntzberger, Lee I.	D.C.	Johnson, Hildemar Ernest	N.Dak.
B.S. in Eng. 1936, The George Washington University		Johnson, June Rose Marie	D.C.
Hurley, Ann Cornelia	D.C.	Johnson, Otis B.	D.C.
Hurst, Virginia Alice	Va.	Johnson, Richard Mercer	D.C.
Husic, William John	D.C.	Johnson, Selmer Roy	Wis.
Hutchins, Charles Morris	Va.	Johnson, Sidney Arthur	N.Y.
B.S. in E.E. 1934, Purdue University		B.Chem. 1933, Ch.Eng. 1934, Cornell University	
Hyatt, William S.	Kans.	Johnson, William Anders	Mass.
A.B. 1936, The George Washington University		B.S. 1932, Massachusetts State College	
Hyson, Jerry Edgar	D.C.	Johnson, William Bridges, Jr.	D.C.
		Johnston, Russel	Md.
I		A.B. 1927, University of Texas	
Ickes, Rex M.	Miss.	M.B.A. 1929, Harvard University	
Ing, Anna May	China	J.D. 1937, The George Washington University	
Ipsen, Donald Keller	Utah	Johnston, Wesley Amos	N.Y.
Irby, Mrs. Tom	Tex.	Jonas, Esther H.	D.C.
Ireland, Ana Evelyn	Ind.	B.S. 1914, A.M. 1929, Columbia University	
Ireland, Otto Miller	Nebr.	Jones, Jackson Shannon	Ohio
A.B. 1936, Doane College		Jones, John Richardson	Wash.
Irwin, Elsie	N.Y.	B.S. 1931, University of Minnesota	
Isales, Luis	D.C.	Jones, L. Dan	Okla.
		B.S. 1933, University of Oklahoma	
J		Jones, Walter Kiger	Md.
Jackson, A. Gifford	Utah		
Jackson, Harriet Ann	D.C.	K	
Jackson, John Francis	Calif.	Kamen, Robert E.	N.Y.
A.B. 1934, Santa Barbara State College		Kardell, Frederick Lloyd	D.C.
Jackson, Marvin W.	Nev.	Karpeles, Della MacFerran	D.C.
Jackson, Nelson Albert	D.C.	Kaspin, Ben Louis	Ill.
B.S. 1933, Wayne University		Katz, Martin A.	Pa.
Jacobs, John Rossell	Va.	Katz, Samuel I.	Tenn.
A.B. 1934, A.M. 1935, The George Washington University		Kaufman, Glenda Burch	W.Va.
Jacobsen, Max C.	Utah	Kaufman, Joey	D.C.
Jacobsen, Paul Dewar	Idaho	Kaufman, Juliette	Ga.
Jacobsen, S. E.	Utah	Kantz, Robert Myers	Pa.
Jacobson, Ralph Gilson	D.C.	Keating, Mercedes Rose	Calif.
Jaeger, Dorothy Steinle	D.C.	A.B. 1934, Santa Barbara State College	
Jaffe, Sidney	N.J.	Keece, Thomas Henry	D.C.
Jaffe, William	Pa.	Kelly, John Tyrone	D.C.
B.S. 1935, Temple University		Kemp, Thomas Aubrey	Md.
John, Patricia Dorothy	D.C.	A.B. 1934, Bucknell University	
James, Martha H.	Ala.	Kendrick, John Alex	D.C.
James, Walter Ervin	Ala.	Kener, Willford G.	D.C.
Jankowski, John Joseph	D.C.	Kennedy, Rena Belle	D.C.
A.B. 1934, Catholic University of America		A.B. 1933, The George Washington University	
Janison, Florence E.	N.J.	Kennon, Troye Almyrl	Okla.
Janzy, Tatyana	D.C.	A.B. 1936, University of Tulsa	
Jaster, Marion Charlotte	D.C.	Kerby, John Hardy	D.C.
Jasz, George	Ohio	A.B. 1935, The George Washington University	
B.S. 1936, University of London, England			
Jenkins, George M.	Okla.		

Kerslake, Youart Herbert B.S. 1933, Haverford College	D.C.	Samson, Glenn G., Jr. Lancaster, Robert Mann	Tex. Md.
Kessner, Louis Joseph	N.Y.	Lane, Betty Anne	Md.
Kidwiler, Julian Carson A.B. 1935, Shepherd State Teachers College	W.Va.	Lane, Marjorie West Laney, Walter H. A.B. 1935, Hendrix College	D.C. Ark.
Kiernan-Vaňa, Helen	D.C.	Lansky, Reuben	D.C.
Kimball, Frank Collette	Utah	Larison, Oliver Kugler	D.C.
King, Claybourne Holt A.B. 1936, University of California, Los Angeles	Calif.	Larsgaard, Clara Helen Lassiter, O. C. A.B. 1935, University of Tulsa	N.Dak. Okla.
King, Eleanore Woodward A.B. 1934, The George Washington University	Va.	Lassly, Annie Willis A.B. 1933, The George Washington University	D.C.
King, Mary Elizabeth	D.C.	Lathrom, Don M.	Kans.
Kings, Olin G.	Utah	Lathrop, Robert Park	D.C.
King, Robert Leonard	Ala.	Latimer, John Austin, Jr.	S.C.
Kiracofe, Warren Curtis	Va.	Latimer, Marjorie Nelson A.B. 1937, The George Washington University	Tex.
Kirby, Agnes Orrison	Va.	Law, Melvin James	Utah
Kirkham, Grant	D.C.	Lawton, Walter Terrell	Ala.
Kirkland, Ira Bird, Jr.	D.C.	A.B. 1932, Washington and Lee University	D.C.
Kirkpatrick, Scott, Jr.	Ark.	Lazaroff, Louis	Tenn.
Klak, John J. B.S. 1923, University of Wisconsin	Wis.	Lear, James Coats A.B. 1936, University of the South	W.Va.
Klavan, Harry S. Ph.B. 1935, University of Vermont	D.C.	Lee, Virginia Welch	N.Y.
Klein, Gerda Minna	N.Y.	Lee, Walter R. A.B. 1933, Columbia University	Okla.
Kleinlauf, Charles Edward	Fa.	Leecraft, Donald S. A.B. 1934, Oklahoma Southeastern State Teachers College	N.C.
Kniffin, Wayne P. Knight, Charles Louis B.S. 1925, M.S. 1926, University of Virginia	D.C.	Leeper, Mary Esther Lehman, Anne J. Lehnert, Phyllis Leibowitz, Reuben B.S. 1933, Ch.E. 1934, College of the City of New York	Conn. Mich. N.Y.
Ph.D. 1933, University of Pennsylvania	Va.	Lembeck, Arthur Charles	D.C.
Knight, Jesse H.	Utah	Lemke, William F.	N.Dak.
Knoop, Victor H.	D.C.	Lentz, Rita M.	D.C.
Knott, William Maury	Nebr.	Lever, Roy	N.I.
Knowlden, Mary VanNess B.S. 1936, Wilson Teachers College	D.C.	Levine, Beatrice L. A.B. 1931, University of Wisconsin A.M. 1931, University of Chicago	D.C.
Knox, Letitia Moore	D.C.	Levine, Benjamin	N.I.
Knox, Lucius Barber B.S. 1928, A.M. 1931, University of Alabama	Fla.	Levinson, Shirley Reeve	D.C.
Koerber, John	D.C.	Levy, Harold B.S. 1935, The George Washington University	W.Va.
Koehler, Axel Maxwell A.B. 1935, The George Washington University	W.Va.	Levy, Harold Allen	N.Y.
Kordrup, Anne Lovat	D.C.	Lewis, Dorothy Lamckton B.S. 1933, New York State Teachers College, Buffalo	D.C.
Korutz, Joe L.	Colo.	Lewis, Herbert B.	D.C.
Korah, Arnold Alva	Md.	Lewis, Melvin Earl	D.C.
Korasky, Stephen	Pa.	Lewis, Rose A.B. 1935, Wilson Teachers College	Pa.
Kramer, Sarah Louise	D.C.	Lewis, Thomas Baird B.S. 1929, Lehigh University	D.C.
Krimball, Jack Beatts	D.C.	Lichterman, Emma Gertrude	S.C.
Krup, Stephen	Conn.	Liles, Edward Breeden A.B. 1932, Wofford College	D.C.
Kruger, Gustav O.	D.C.	Lincoln, Harold Wayne A.B. 1936, The George Washington University	Mo.
Kusak, Stephen W.	Pa.	Lindsey, Fred D. A.B. 1931, B.S. in Ed. 1933, Missouri State Teachers College (Northwest)	
Kurz, Charles Godfrey	D.C.		
L			
LaCamera, John Rogers	Pa.		
LaCombe, Louise A.	Mich.		
Ladimer, Irving A.B. 1935, College of the City of New York	N.Y.		
Lahna, Adolph A.	D.C.		
Laird, Jeff R. A.B. 1933, Oklahoma East Central State Teachers College	Okla.		
Lake, Violet Hildegarde	Wash.		
Lamoreaux, E. Margaret	Wis.		



Students Registered

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Lindsey, Virginia Lee B.S. in Ed. 1936, University of Oklahoma	Okla.	Matter, John Marchion B.S. 1935, New Mexico School of Mines	Mont.
Linebarger, Wayne Wentworth	D.C.	Matthews, Denbigh Schuyler	Va.
Link, J. Harold	Md.	Mattingly, William Fenwick	D.C.
Lipscomb, Andrew Adgate	D.C.	Mauldin, Ralph Eugene	S.C.
Lischer, Margaret B.	Iowa	Mauspin, Armistead Jones	N.C.
Litz, Helen Elizabeth	D.C.	A.B. 1946, University of North Carolina	
Lloyd, Bolivar Joseph	D.C.	Maxon, Mary	D.C.
Lloyd, Sherman P. B.S. 1935, Utah State Agricultural College	Idaho	Maxfield, John S. A.B. 1940, University of Texas A.M. 1942, Southern Methodist University	Tex.
Lufrio, Albert Vincent	D.C.	Mays, George Edgar	D.C.
Lockwood, Irene Walsh	D.C.	McAndrew, Mary Gertrude	Pa.
Lodge, Edna Gertrude	Md.	McAtee, Worland Peter	N.Mex.
Longfellow, Henry Wadsworth	Wis.	B.B.A. 1942, University of New Mexico	
Louderback, Page Gordon	Va.	McCabe, Albert Philip	D.C.
Lowe, Howard Theodore	Colo.	McCafferty, Esther Reese	Del.
Lucas, Bertha Lovell A.B. 1921, The George Washington University	D.C.	McCann, Mattie Loving	Ark.
Lucas, Graham Joseph	N.Y.	McCarter, D. H.	Tex.
Luckenbill, F. Graham	D.C.	McCarthy, Thomas Francis	N.Y.
Luckett, Horace Peyton A.B. 1946, Franklin and Marshall College	D.C.	McCartney, Junius Acree	D.C.
Lydon, Cyril Patrick	Pa.	McCallum, Harry E.	Ill.
Lydon, Thomas Patrick	Pa.	McConnell, Robert C. A.B. 1945, University of New Mexico	N.Mex.
Lyman, George Henry	D.C.	McCoy, Harry S.	Idaho
Lyman, Joseph J. A.B. 1935, Brown University	D.C.	McCrann, Edward Thomas	Conn.
		McCreary, Robert M. A.B. 1944, University of Colorado	Colo.
		McDonald, Richard Otto	Nebr.
		McDonnell, Henry Edward A.B. 1927, University of Utah	Va.
		McFadden, Mabel	Ind.
		McFadden, Samuel Edward A.B. 1916, University of South Carolina	S.C.
		McGrath, Hubert Aloysius A.B. 1925, College of the Holy Cross Ed.M. 1934, Boston University	Mass.
		McGuire, Ollie Rose, Jr. I.L.B. 1947, The George Washington University	Va.
		McGurran, Martin P.	Md.
		McKnight, Merwyn Newell	Va.
		McMahon, Mary Margaret	Ill.
		McMillan, Thomas Sanders, Jr.	S.C.
		McMillen, Caroline May A.B. 1946, The George Washington University	D.C.
		McNamara, Alexander Peter	D.C.
		McNeil, Helen	D.C.
		McPhearson, Terry M. A.B. 1917, The George Washington University	La.
		McQuesten, Roseanna A.B. 1928, Stanford University	Wash.
		McRae, Robert Bruce	Nebr.
		McReynolds, William Emmett	D.C.
		Meadows, Richard William	Ala.
		Meads, Louise Carol	D.C.
		Meeds, Lloyd Tindall	Va.
		Mein, John Gordon A.B. 1946, Georgetown College	Ky.
		Memler, Willard R.	D.C.
		Mendez, Manuel Jose	Panama
		Menediz, Albert George A.B. 1910, West Virginia University	N.Y.
		Meredith, Nancy Elizabeth	Oreg.
MacBride, Janet Hart			
MacDonald, Fred A.B. 1930, Arkansas College	D.C.		
Mace, Howard P.	Ark.		
Mackey, George McLaurine B.S. 1935, Wilson Teachers College	Ohio		
Maffeo, Pasquale Emil	D.C.		
Magee, William d'Arcy I.L.B. 1936, Georgetown University	D.C.		
Magill, Charles Herbert	D.C.		
Magruder, Ruth Thornton	D.C.		
Mahoney, Robert Hugh A.B. 1917, College of the Holy Cross	Conn.		
A.M. 1918, Ph.D. 1922, Catholic University of America			
Maloney, J. Edward	N.Y.		
Mamlet, Howard Leroy	N.J.		
Mamula, Peter	W.Va.		
Mann, Charles Wayne	Okla.		
Maphis, Frederick Dewitt	Va.		
Marcoux, Roger W.	Maine		
Mark, Dale Shaffer	D.C.		
Maroney, William H. B.S. 1924, Dartmouth College	N.Y.		
Marshall, H. Snowdon II	D.C.		
Marshall, Noi Eckard	Va.		
Marshman, Esther Weaver	N.Y.		
Martin, Albert Rutledge	S.C.		
Martin, Mary D.	Ark.		
Martin, Robert Blakeney	W.Va.		
Martin, Warren Newton	S.C.		
Mason, Dandredge Kennedy	D.C.		
Mason, John T., Jr. A.B. 1935, The George Washington University	Ill.		
Mathers, Lloyd Caldwell	Colo.		
A.B. 1927, University of Denver			
Matosoff, Louis	N.Y.		

Meriam, Anne W. A.B. 1936, The George Washington University	Mid.	Morse, H. S. B.S. 1911, University of Vermont and State Agricultural College	Nev.
Merka, Frank Weaver	Tex.	M.S. 1934, Syracuse University	Kans.
Merritt, Margaret Reed	D.C.	Morse, Roger Herbert	Utah
A.B. 1920, A.M. 1926, The George Washington University	Pa.	Mortimer, George Harding	Mo.
Metzger, Sol Walter	Calif.	B.S. 1925, Brigham Young University	
Meyer, Charles Henry		Moser, Karl Jones	
Meyer, Herbert		B.S. 1925, Missouri State Teachers College (Central)	
B.S. 1924, University of California, Berkeley		A.M. 1933, The George Washington University	N.Y.
Middlebrook, Aileen Clayton	Hawaii	Mosher, Ellsworth Hathaway	
Miho, Katsuro	D.C.	B.S. in Chem. Eng. 1933, Syracuse University	Fla.
Mikules, Alexander John	Mid.	Mott, James J., Jr.	N.J.
Milana, Calvin Harley	D.C.	Mott, William Chamberlain	
Milburn, Virginia Randolph	Va.	B.S. 1933, U. S. Naval Academy	D.C.
Milks, Marie Agnes	R.I.	Moyer, Walter	N.H.
Millard, Charles Edward	D.C.	Mullen, John Madden	
Miller, A. Milton	D.C.	A.B. 1933, University of Montreal	
A.B. 1935, Amherst College	Pa.	A.M. 1937, Catholic University of America	Pa.
Miller, Albert Raymond	W.Va.	Mulloy, Jack B.	D.C.
Miller, Charles Lindsay	Utah	Mulvey, Frederick	
Miller, Edwin Wiley	Mid.	A.B. 1933, The George Washington University	Ind.
B.S. 1927, University of Pittsburgh	Mo.	Munsch, George Charles	Ariz.
Miller, Frank R.		Murdock, Myrtle	
Miller, Joshua Albert	Nev.	A.B. 1926, Arizona State Teachers College, Tempe	Mo.
B.S. 1912, University of Maryland	D.C.	A.M. 1927, University of Arizona	
Miller, Kenneth D.	D.C.	Murphy, James Emmett	N.Mex.
A.B. 1932, Drury College	W.Va.	A.B. 1935, William Jewell College	Utah
Miller, Lorraine Hatch	S.C.	Murphy, John Daniel	
Miller, Walter L. Roy	D.C.	Musser, Milton S.	
Millholland, Fanny West	N.J.	A.B. 1937, The George Washington University	Mont.
Millhouse, Steve George	Mid.	Muth, Grace	D.C.
Mims, Shannon Wilson		Muth, Raymond Francis	D.C.
Mintz, Samuel		Myers, Helen Sherman	
Mitchell, Aurelia O.			N
Mitchell, Charlotte Chapman	Mid.		
B.S. 1937, Virginia State Teachers College, Fredericksburg	D.C.	Nagy, George Julius	Mich.
Mitchell, Edythe A.	N.J.	Nagy, Lillian Sophia	W.Va.
Mitchell, Frank Taylor, Jr.	Del.	Nail, Harry Craig	Ohio
Mitchell, Margaret Hanway		A.B. 1936, Ohio University	Mo.
Mitchell, William W.	D.C.	Naster, Bertram	D.C.
B.S. 1928, University of Idaho	N.Y.	Nau, Carlton Leroy	
Molyneux, John William	Va.	B.S. 1931, Gettysburg College	Utah
Monis, Frances	Va.	Naylor, George Leroy	Idaho
Monroe, John W., Jr.	Utah	Naylor, Walter Kent	Ga.
Monroe, Margaret Fenwick	D.C.	Neal, Thomas Ellison	Ark.
Monson, Keyne Parkinson	D.C.	Neely, James Murl	Nebr.
Moomaw, Dorothy Rick		Nelson, Harold Fletcher	Nebr.
Moore, George Mansfield	Ark.	A.B. 1932, University of Nebraska	
A.B. 1937, The George Washington University	D.C.	Nelson, Howard M.	Ky.
Moore, Glenn E.	Pa.	B.S. 1932, University of Nebraska	
A.B. 1932, University of Missouri	Ill.	Neuhauer, Frank Louis	D.C.
Moore, Malcolm R.	Nev.	B.S. in E.E. 1934, University of Louisville	
Moore, Marian Jane	W.Va.	Newhouse, Mildred Miriam	
Moran, George Joseph, Jr.	Ill.	A.B. 1937, The George Washington University	Ill.
Moran, John Francis	La.	Newland, Paul	D.C.
Morgali, M. Ralph	Mid.	Newton, Beverly North	D.C.
Morgan, Albert Marcus	Miss.	B.S. 1933, Wilson Teachers College	Va.
A.B. 1916, West Virginia University	Utah	Nicksick, Bogdan	Idaho
Morgan, Harold		Nielsen, Jean Kelly	Iowa
A.B. 1927, University of Missouri		Nisbet, John W.	
Morgan, James Frederick		Nixon, Ruth Adele	
Morgan, Jeanne Noyes		Mus.B. 1931, Simpson College	
Morgan, Joe Pope			
Morgan, Morris Maria			
Morris, Hilma Maria			
Morrison, Marriner Merrill			
B.S. 1933, Utah State Agricultural College	Pa.		
Morrow, Christopher Mollen			

# Students Registered

CV

Noble, Joseph Southall	D.C.	Pegram, Thomas Edward, Jr.	Miss.
Nilkamhaeng, Snga	Siam	Peirce, Walter Harlen	D.C.
Nordlund, Harry T.	Wash.	Pendell, William Delcamp	D.C.
Norley, Myrtle Elaine	Minn.	A.B. 1935, Baldwin-Wallace College	
Norton, Janice Elaine	D.C.	Penland, J. Cecil	N.C.
NorVelle, Robert Lewis	D.C.	Penn, Helen Wilkins	Okla.
Nott, Mildred McCauley	D.C.	B.S. 1916, Oklahoma Central State Teachers College	
B.S. 1936, Wilson Teachers College		Perrier, Anthony J. L., Jr.	Ky.
Nowaskey, Arthur J.	D.C.	Perros, George Peter	D.C.
Numbers, Frank E.	D.C.	Perry, John W.	D.C.
Nyrop, Donald William	Nebr.	Petersen, Stanley Wilhelm	N.Y.
A.B. 1934, Doane College		Peterson, Knute E.	Kans.
		Peterson, Leonard Durnell	Ohio
O		Petretic, George John	Ohio
Oakley, Bert Tuttle	Utah	Petrides, George A.	D.C.
Obear, Legare Hill Bowles	Ga.	Petrokowsky, Julius Melvin	N.Y.
O'Brien, Ben Lawrence	Calif.	Pfefferman, Rebecca	N.Y.
A.B. 1937, Pomona College		Phares, Alan B.	Kans.
O'Connor, Robert Thomas	Mass.	A.B. 1914, Municipal University of Wichita	
Odum, Edward Everett, Jr.	D.C.	Phelps, Mary Otelia	Va.
B.S. 1933, University of Virginia		B.S. 1942, George Peabody College for Teachers	
Ogilvy, Lester Edwin	Ohio	Phillips, Hazel H.	D.C.
O'Hara, James H.	Ill.	Pickard, Frederick Perle	Wash.
O'Hertton, Rosalie	Ill.	Pickens, Charles Wilmer	D.C.
O'Hiker, Hazel Leota	D.C.	Picot, George Francis	Utah
Oliver, John Crane	D.C.	B.S. 1912, Utah State Agricultural College	
Olzewski, George John	D.C.	Pierce, Ottillie	La.
Omo, Charles Howard		A.B. 1917, Mississippi State College for Women	
A.B. 1915, Juniata College		Pierson, W. Theodore	Iowa
A.M. 1928, Pennsylvania State College		Pilson, T. Alfred	Ky.
O'Neill, Charles F.	Tex.	A.B. 1934, Asbury College	
A.B. 1934, Texas Technological College		Pimper, James Lambie	Md.
O'Neil, Glenn Wilbur	D.C.	A.B. 1933, Dartmouth College	
B.S. 1937, Wilson Teachers College		LL.B. 1917, The George Washington University	
Orme, Margaret Peirce	D.C.	Pinchang, Gladys Dorothy	D.C.
O'Rourke, Dennis	Nebr.	Pinkerton, James Greely	Fla.
A.B. 1935, Nebraska State Teachers College, Chadron		Pitt, Bernard Picking	D.C.
Ottis, John G.	N.Dak.	Plumley, Fletcher D. P.	Vt.
B.S. 1934, University of North Dakota		A.B. 1928, Norwich University	
Owen, Thomas Goldsborough	D.C.	M.B.A. 1911, Harvard University	
Ozenham, James Price	D.C.	Poeh, Stanley Thomas	Wash.
		Points, Ben Blair	Okla.
P		Pollack, Melvin Morton	D.C.
Padley, Albert Frederick, Jr.	Conn.	Pollard, B. James	Fla.
Painter, Eunice Merle Mozelle	Va.	Pollard, George Marvin	Mo.
A.B. 1935, The George Washington University		A.B. 1914, The George Washington University	
Pappenfort, Roberts Bernard, Jr.	Mo.	Pollard, Willard Lacy	Ill.
Paris, Vinard LeVaine	N.Y.	B.S. in Ch.E. 1933, University of Notre Dame	
Parker, Edith Helene	Tex.	Pollock, Charles Fred	Wis.
Parker, Ernest Edward	Ala.	Ph.B. 1915, University of Wisconsin	
A.B. 1929, University of Alabama		Ponce-y-Carbo, Alexander	D.C.
Parker, Virginia Ruth	Fla.	Ponce-y-Carbo, Henry	D.C.
A.B. 1931, Florida State College for Women		Ponder, Lester M.	Ark.
Parrish, Floyd Donald	Ill.	B.S. 1934, Northwestern University	
Parsons, Edgar Howard	D.C.	Poppell, Kate Lewis	Ga.
Partello, Joseph Kepner, Jr.	D.C.	Poor, John Wilbert	D.C.
Patrum, Kenneth Walter	Okla.	Powell, George L.	Calif.
Paul, Walter Edward	D.C.	Powell, Walter Reynolds, Jr.	Ky.
Payne, John Byrd	D.C.	A.B. 1935, Centre College of Kentucky	
A.B. 1937, The George Washington University		Pownall, Louisa	D.C.
Payne, John Howard	D.C.	Prater, John Edward	Okla.
Pearson, Gaynor	Tex.	Preysz, Louise Rosalie	W.Va.
A.B. 1937, The George Washington University		A.B. 1936, Glenville State Teachers College	
Pearson, William Maynard	D.C.		



*Price, Dorothy Ph.B. 1927, University of Chicago	Md.	Richardson, Howard Robertson A.B. 1927, Elon College	Va.
Price, Eve S.	Va.	A.M. 1932, College of William and Mary	
Price, Jay Berry	Calif.	Richardson, Mary Havel B.S. 1933, Wilson Teachers College	D.C.
Price, Robert Forman A.B. 1936, Tufts College	Md.	Richardson, Mary Huntington A.B. 1928, Yankton College	Va.
Prince, Janet C. B.S. 1927, Georgia State College for Women		Richman, Iefoy Riddell, Tully D. B.S. 1921, University of Mississippi	Idaho Miss.
Proctor, Harry W. B.F.S. 1912, University of Southern California	D.C.	Ribby, Elmer C.	D.C.
Prosen, Edward J.	Minn.	Rimmer, Robert H.	Tenn.
Payor, Theodore L.	Pa.	Rinker, Royden C.	Va.
Pughe, George Arthur, Jr.	Calo.	Rosser, Robert Porter	Iowa
Purlia, Paul Louis	Ariz.	A.B. 1912, Drake University	
Purse, Victor	D.C.	Ritz, John Hubert	N.J.
Pyle, Dorothy Boyd A.B. 1931, The George Washington University	D.C.	Robb, Eugene Spivey A.B. 1920, University of Nebraska	D.C.
		Roberson, Henry Clay B.S. 1932, University of Virginia	Va.
Q		Roberts, David Wells Graduate 1921, U. S. Naval Academy	D.C.
Quinn, Dorothy Viola	D.C.	M.F.S. 1927, Georgetown University	
		Robertson, James C., Jr.	D.C.
R		Robertson, Mabel Rosalind A.B. 1924, University of Illinois	Fla.
Race, Anthony J. A.B. 1935, Ohio University	Ohio	Robinson, Harry J. A.B. 1931, University of Nevada	Nev.
Rahter, William J.	Ohio	M.B.A. 1934, Stanford University	
Raisbeck, Frank Maxwell	Ill.	Robinson, Tom Morris	N. Mex.
Ramsey, Donald James Graduate 1924, U. S. Naval Academy	D.C.	Roya, Paul McLennan A.B. 1911, University of Arizona	Ariz.
Ramseyer, Jane Phillips	D.C.	Ruckelle, William Jennings, Jr.	Tex.
Rasmussen, Wayne David A.B. 1937, Montana State University	Mont.	Ruden, Donald C.	Utah
		Rodriguez, Luis O.	P.R.
Rawson, Elsie Mae	D.C.	Roe, Austin G.	R.I.
Reardon, Willfred J.	Wis.	Rogers, Arthur Leon A.B. 1914, The George Washington University	Miss.
Reasin, Henry Cole	D.C.	Romers, Hutton Brown, Jr.	D.C.
Reed, Emery A. A.B. 1936, Nebraska State Teachers College, Chadron	Nebr.	Romers, Lloyd E. A.B. 1914, University of Kentucky	Ky.
Reed, Maxine	W.Va.	Rogers, Percival Comstock	D.C.
Reed, Vaughn Dewitt	Ohio	Rogers, Rebecca Martha	D.C.
Reeder, S. Byr, Jr.	D.C.	Romes, John Joseph	Pa.
Reid, Helen Eileen	D.C.	Romes, Joseph Paul	Pa.
Reid, Robert Lawrence	Ariz.	Roring, Clyde Edison	Ohio
Resh, Mary Sherman A.B. 1928, The George Washington University	D.C.	Ross, Marion Harold	Md.
		Rose, Norman	D.C.
Resseger, William Callison	D.C.	Rose, Norman Rosemond, St. Julien Palmer	Fla.
Rhine, George E.	D.C.	Rosenberg, Theodore	N.H.
Rhinehart, Evelyn Virginia A.B. 1932, The George Washington University	Va.	Ross, Allen Murray	Ariz.
Rhoads, Helen S. LL.B. 1929, University of Maryland	D.C.	Rottenberg, Simon	R.I.
Rhoads, Mary Evelyn A.B. 1924, Hood College	Md.	Roudabush, Howard Glenn	D.C.
Ribar, Peter A. A.B. 1936, University of Colorado	Colo.	Rounds, Elizabeth Wilkinson	D.C.
Rice, C. Lawrence	Nebr.	Rounsaville, James H. B.B.A. 1932, University of Texas	Tex.
Rice, Lily Belle	Va.	Rouse, Gaius Owen B.S. 1934, University of New Mexico	N. Mex.
Richard, Catherine	D.C.	Rowe, E. Romayne A.B. 1927, A.M. 1928, University of Wisconsin	Wis.
Richards, Landonia Brock	D.C.	Rowen, Irene G.	D.C.
Richardson, Arthur L. B. B.S. 1934, Harvard University	Va.	Rubenstein, Jacob H. B.S. 1916, Columbia University	Va.
Richardson, George William	D.C.	Rubin, Harold Howard	Ill.
		Rucker, Katharine Wood B.S. 1930, Virginia State Teachers College, East Radford	Va.

\* Deceased.

# Students Registered

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Rudberg, Harry Charles B.S. 1912, Franklin and Marshall College	Pa.	Schwartzbach, Eleanor A.B. 1912, Hunter College	Pa.
Ruffner, Ralph Windsor A.B. 1915, University of Maryland	D.C.	Scott, Francis D., Jr. Seal, Charles Bernard	Ohio Ind.
Rule, Walter Edwin B.S. 1910, M.S. 1933, University of Colorado	D.C.	A.B. 1933, Butler University	D.C.
Ruppert, M. Clare Rush, Ola Day	D.C.	Seaton, Robert McQuain	D.C.
Ph.B. 1922, University of Chicago	D.C.	Seay, Charles A.B. 1914, University of Maryland	D.C.
Russell, Myrtle Ellen	N.Dak.	Sepanski, Stanley Michael	D.C.
Russo, Carl	D.C.	Seitz, Grace T.	D.C.
		Selgson, David	Pa.
		Settle, Cooke	Tenn.
		Sewersmith, Herbert Furman	D.C.
		B.S. 1915, The George Washington University	
		Seydel, Morris Monsees	Colo.
		Shapiro, David T.	Md.
		Shaver, Karl	D.C.
		B.S. in E.E. 1911, Kansas State College of Agriculture and Applied Science	
		Shearer, Paul Victor	D.C.
		Sheaton, William	Md.
		Sheild, Harriet Elizabeth	D.C.
		Shepherd, Charles Perry	Ind.
		A.B. 1917, The George Washington University	
		Shepherd, Warren Dee	Utah
		Shora, George Paul	Utah
		Shultz, Vance	Mo.
		Short, Morris R.	Okla.
		Shreve, Eleanor Sothorn	Va.
		Stallman, Jack	D.C.
		Six, Mildred C.	Pa.
		Sidd, Ruth L.	D.C.
		B.S. 1914, Wilson Teachers College	
		Singer, Marion Colling	D.C.
		Simpson, Elizabeth T.	N.Y.
		A.B. 1915, Columbia University	
		Simpson, Faust Young	Ky.
		Simpson, Olive P.	Md.
		A.B. 1911, Western Maryland College	
		A.M. 1927, Columbia University	
		Singer, Joseph R.	N.Y.
		Siss, Andrew Marston	Ga.
		Sisson, Clinton Carroll	D.C.
		Sizoo, Joseph A.	Calif.
		A.B. 1914, The George Washington University	
		Skinner, Dudley Graham	D.C.
		Skolnick, Helen Elizabeth	Conn.
		Slawatter, Robert Harrison, Jr.	Md.
		Slone, Kenneth L.	Ill.
		Ph.B. 1912, University of Chicago	
		Slve, Madeline Hesse	D.C.
		Sparr, Herbert Frank	Utah
		Smith, A. Leonard	Pa.
		Smith, Carl H., Jr.	Ill.
		Smith, Charles Edward	D.C.
		Smith, Clyde W.	Ill.
		Smith, Evelyn Hall	Ga.
		A.B. 1914, University of Georgia	
		Smith, Francis Milton	S.Dak.
		A.B. 1916, Augustana College	
		Smith, Guerry R.	D.C.
		A.B. 1915, The George Washington University	
		Smith, H. Hewlett	Ga.
		Smith, Jane	Ill.
		Smith, Jesse B.	D.C.
		Smith, John George, Jr.	N.Y.
		Smith, John Malcolm	Wash.

Wiler, Jessie Emma	D.C.	Walter, Elizabeth B.	D.C.
Wilken, Ruth Robertson	D.C.	Wemack, Oren	Tex.
Wiklie, Edward C.	D.C.	Weed, Frank Luther	N.J.
Wilkinson, Glen A.	Utah	Wood, Lucy A	Wis.
B.S. 1934, Brigham Young University		Woodley, Frederick William	D.C.
Willer, Mary Jo	Ind.	Woods, Kathryn Paul	Tenn.
Willitt, William Sherman	D.C.	B.S. 1921, Howard College	
Willey, Robert Haven	N.Y.	Woodside, Byron D.	Pa.
Williams, Ames William	N.J.	B.S. 1929, University of Pennsylv-	
A.B. 1918, The George Washington		vania	
University		A.M. 1941, The George Washington	
Williams, Helen White	Pa.	University	
A.B. 1915, University of Pittsburgh		Woodside, Lehman Frank	Ill.
A.M. 1916, Columbia University		Woodside, Walter W.	Ill.
Williams, Robert Hays	Ark.	Woodson, Walbert Tucker	Va.
Williams, Thomas Chambliss	Va.	A.B. 1916, College of William and	
B.S. 1915, Virginia Military Institute		Mary	
Williamson, Charles John	Mich.	Woodward, Everett Harry	D.C.
Williamson, Miriam	D.C.	Woodworth, Llewellyn F.	Va.
B.S. 1911, University of Cincinnati		Worthington, George Sanford	D.C.
Williamson, Monroe W.	Ark.	Worthington, Joseph Mace	Md.
Wilson, Prentiss, Jr.	D.C.	Wright, Harry Otis, Jr.	W.Va.
Wilson, Archie Temple	Okl.	Wright, Harvey Cecil	N.Y.
Wilson, Dorothy Roth	Mo.	Wright, James O.	Va.
A.B. 1916, University of Michigan		B.S. 1914, North Carolina State	
Wilson, George Wood, Jr.	N.C.	College	
A.B. 1911, University of North		Wright, Sterling	D.C.
Carolina		Wyas, Walter Erwin	Va.
Wilson, Louisa	N.C.	B.S. in E.E. 1931, M.S. 1934, Uni-	
A.B. 1928, Randolph-Macon Wom-		versity of Wisconsin	
an's College			
Wilson, Norman Woodrow	N.C.		
Wilson, Robert Beryl	Va.	Y	
B.S. 1925, Cumberland University		Yaeden, Andrew Virginia	Ky.
Wilson, William Lyne	Va.	Yaeger, Edwin Albert	Del.
A.B. 1927, Washington and Lee		B.S. 1927, University of Delaware	
University		M.S. 1929, Massachusetts Institute	
Winters, George Henry	Okl.	of Technology	
Winters, Martha	D.C.	Yanovsky, Esther	D.C.
Wise, George Waller	Md.	Yao, Zoonsiao	D.C.
A.B. 1916, The George Washington		A.B. 1916, St. John's University,	
University		Shanghai, China	
Witcover, Henry Wallace	S.C.	Yates, Elizabeth K.	D.C.
A.B. 1916, Duke University		Yelmgren, Alden Emil	D.C.
A.M. 1917, The George Washington		Young, James A.	Iowa
University		Youno, Maude Elizabeth	Wis.
Wittmer, Marion Helene	Wis.	Young, William B.	Okl.
B.S. 1928, Marquette University			
A.M. 1934, University of Wisconsin			
Witten, George	Tex.	Z	
Witter, George D.	N.Y.	Zepul, Constantine	Ill.
L.L.B. 1937, The George Washington		Ziff, Anthony	N.Y.
University		B.S. 1931, College of the City of	
Wnuczek, John Joseph	Wis.	New York	
Wofford, Eleanor Cocke	S.C.	Zimmers, Neal Foster	Ohio
A.B. 1914, Converse College		A.B. 1931, Denison University	
Wolf, Alan M.	Pa.	Zipser, Isadore	N.Y.
A.B. 1913, Dickinson College		Zubricky, Joseph	Pa.
Wolfstone, Leon L.	Wash.	Zuray, Maria Amelia	D.C.
A.B. 1916, State College of Wash-		A.B. 1914, American University	
ington		Zylman, Jacob Derk	Wis.
Wolloch, Sara Cooper	D.C.		



# SUMMARY OF REGISTRATION

1937-38

## THE JUNIOR COLLEGE

Freshmen .....	1,485
Sophomores .....	930
Unclassified students.....	21
	<hr/>
	2,442

## COLUMBIAN COLLEGE

Juniors .....	143
Seniors .....	197
Candidates for the degree of Master of Arts.....	280
Unclassified students.....	4
	<hr/>
	614

## THE GRADUATE COUNCIL

Candidates for the degree of Doctor of Philosophy.....	39
	<hr/>
	39

## THE SCHOOL OF MEDICINE

First year.....	73
Second year.....	55
Third year.....	57
Fourth year.....	68
Candidate for the degree of Master of Science.....	1
	<hr/>
	254

## THE LAW SCHOOL

First year.....	491
Second year.....	338
Third year.....	100
Candidates for the degree of Master of Laws.....	20
Unclassified students.....	10
	<hr/>
	1,043

## THE SCHOOL OF ENGINEERING

Freshmen .....	156
Sophomores .....	60
Juniors .....	64
Seniors .....	60
Candidate for the degree of Civil Engineer.....	1
Unclassified students.....	10
	<hr/>

**THE SCHOOL OF PHARMACY**

Candidates for degrees in Pharmacy.....	15
Unclassified students.....	6

21

**THE SCHOOL OF EDUCATION**

Juniors .....	68
Seniors .....	71
Candidates for the degree of Master of Arts.....	183
Candidates for the degree of Doctor of Education.....	45
Unclassified student .....	1

368

**THE SCHOOL OF GOVERNMENT**

Juniors .....	53
Seniors .....	42
Candidates for the degree of Master of Arts.....	71
Unclassified student .....	1

167

**THE DIVISION OF UNIVERSITY STUDENTS**

University students.....	1,453
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1,453

**THE DIVISION OF LIBRARY SCIENCE**

Juniors .....	8
Seniors .....	5
Candidates for the degree of Master of Arts.....	5
Unclassified students.....	18

36

**THE DIVISION OF FINE ARTS**

Junior .....	1
Seniors .....	6
Candidate for the degree of Master of Arts .....	1
Unclassified student.....	1

9

Students registered, Academic Year 1937-38.....	6,821
Students registered, Summer Sessions 1937.....	1,544
Total number of registrations.....	8,365
Duplicates.....	1,117
Total number of students registered.....	7,255

# GEOGRAPHICAL DISTRIBUTION OF STUDENTS

1937-38

Alabama .....	79	Ohio .....	129
Arizona .....	37	Oklahoma .....	102
Arkansas .....	55	Oregon .....	35
California .....	103	Pennsylvania .....	299
Colorado .....	50	Rhode Island .....	17
Connecticut .....	62	South Carolina .....	50
Delaware .....	14	South Dakota .....	31
District of Columbia .....	2,676	Tennessee .....	79
Florida .....	53	Texas .....	114
Georgia .....	84	Utah .....	138
Idaho .....	58	Vermont .....	11
Illinois .....	172	Virginia .....	562
Indiana .....	82	Washington .....	59
Iowa .....	77	West Virginia .....	86
Kansas .....	75	Wisconsin .....	80
Kentucky .....	62	Wyoming .....	14
Louisiana .....	23	Alaska .....	1
Maine .....	23	Brazil .....	1
Maryland .....	401	China .....	12
Massachusetts .....	85	Germany .....	1
Michigan .....	79	Haiti .....	1
Minnesota .....	76	Hawaii .....	2
Mississippi .....	63	Holland .....	1
Missouri .....	100	India .....	1
Montana .....	41	Iran .....	3
Nebraska .....	65	Japan .....	1
Nevada .....	18	Mexico .....	1
New Hampshire .....	14	Panama .....	7
New Jersey .....	103	Philippine Islands .....	5
New Mexico .....	29	Puerto Rico .....	12
New York .....	443	Siam .....	2
North Carolina .....	68		
North Dakota .....	26	Total .....	7,255



## GENERAL SUMMARY

1937-38

### TEACHING STAFF

Professors Emeritus.....	16
Professors .....	61
Adjunct Professors.....	11
Professorial Lecturers.....	20
Clinical Professors.....	10
Associate Professors.....	35
Associates in Medicine.....	26
Assistant Professors.....	45
Lecturers .....	28
Instructors .....	31
Clinical Instructors.....	61
Associates .....	24
Research Associates.....	4
Fellows .....	17
Assistants .....	12
Total .....	421

### STUDENTS REGISTERED

The Junior College.....	2,442
Columbian College.....	614
The Graduate Council.....	39
The School of Medicine.....	254
The Law School .....	1,843
The School of Engineering .....	375
The School of Pharmacy.....	21
The School of Education.....	368
The School of Government.....	177
The Division of University Students.....	1,453
The Division of Library Science.....	30
The Division of Fine Arts.....	9
The Summer Sessions 1937.....	1,544
Total number of registrations.....	8,495
Duplicates .....	1,112
Total number of students registered,...	7,255

### CERTIFICATES AWARDED AND DEGREES CONFERRED

Junior Certificates.....	315
Bachelor of Arts.....	179
Bachelor of Arts in Education.....	41
Bachelor of Arts in Government.....	41

# *Summary of Registration*

CXV

Bachelor of Arts in Library Science.....	14
Bachelor of Arts in Fine Arts.....	8
Bachelor of Architecture.....	4
Bachelor of Science.....	41
Bachelor of Science in Engineering.....	6
Bachelor of Science in Civil Engineering.....	13
Bachelor of Science in Electrical Engineering.....	7
Bachelor of Science in Mechanical Engineering.....	15
Bachelor of Science in Pharmacy.....	8
Bachelor of Science in Home Economics.....	11
Bachelor of Science in Physical Education.....	15
Bachelor of Laws.....	150
Master of Arts.....	41
Master of Arts in Education.....	36
Master of Arts in Home Economics.....	4
Master of Arts in Government.....	5
Master of Arts in Library Science.....	2
Master of Arts in Fine Arts.....	1
Master of Laws.....	7
Master of Fine Arts.....	1
Civil Engineer.....	1
Juris Doctor.....	28
Doctor of Medicine.....	59
Doctor of Education.....	1
Doctor of Philosophy.....	3
Total.....	1,057





THE SCHOOL OF MEDICINE  
1938-39



THE  
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WASHINGTON  
UNIVERSITY  
BULLETIN

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VOL. XXXVII

No. 3

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THE SCHOOL OF MEDICINE

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WASHINGTON, D.C.

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BY THE UNIVERSITY





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# CALENDAR OF THE SCHOOL OF MEDICINE

## 1938-39

Date	Day	Occasion
1938:		
September 24.....	Saturday.....	Procession examinations
September 24, 26-27	Saturday, Monday, and Tuesday	Registration period for the academic year 1938-39
September 28.....	Wednesday.....	Academic year begins
October 11.....	Tuesday.....	Last day for late registration
November 24-26....	Thursday to Saturday, both dates inclusive	Thanksgiving recess
December 21-January 3	Wednesday to Tuesday, both dates inclusive	Christmas recess
1939:		
January 4.....	Wednesday.....	Classes resumed
January 28-February 4.....	Saturday to Saturday, both dates inclusive	Midyear examination period
February 10.....	Friday.....	Classes resumed for the second semester
February 22.....	Wednesday.....	Winter Convocation. Holiday
April 7-12.....	Friday to Wednesday, both dates inclusive	Easter recess
May 5.....	Friday.....	Last day for applications for degrees to be conferred in June
May 30.....	Tuesday.....	Memorial Day. Holiday
May 31-June 10....	Wednesday to Saturday, both dates inclusive	Final examination period
June 11.....	Sunday.....	Baccalaureate Sermon
June 14.....	Wednesday.....	Commencement
September 23, 25-26	Saturday, Monday, and Tuesday	Registration period for the academic year 1939-40



## THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President of the University, ex officio, and the following persons by election:

1938

- Avery DeLano Andrews, B.S., LL.B., Winter Park, Florida.  
Clarence Aiken Aspinwall, 1140 Fifteenth Street.  
Henry Parsons Erwin, A.B., Hibbs Building.  
Mrs. Joshua Evans, Jr., A.B., Ed.D., 3405 Lowell Street.  
\*Howard Wilkinson Hodgkins, B.S., LL.B., 1604 First National Bank Building, Chicago, Illinois.  
\*John Edgar Hoover, LL.M., LL.D., United States Department of Justice.  
Charles Riborg Mann, Ph.D., Sc.D., 744 Jackson Place.  
Walter Rupert Tuckerman, A.B., LL.B., 1721 H Street.  
Chester Wells, B.S., Graduate United States Naval War College;  
Jones Mill Road, Chevy Chase, Maryland.

1939

- Harry Cassell Davis, A.M., L.H.D., 1921 Kalorama Road.  
\*George Edgar Fleming, LL.M., Union Trust Company.  
Charles William Gerstenberg, LL.B., 70 Fifth Avenue, New York City.  
Ulysses S. Grant, 3d, B.S., Graduate United States Engineers' School;  
Governor's Island, New York.  
Gilbert Grosvenor, A.M., LL.D., Litt.D., National Geographic Society.  
Alfred Henry Lawson, LL.B., Washington Loan and Trust Company.  
Theodore Williams Noyes, A.M., LL.M., LL.D., 1730 New Hampshire Avenue.  
\*Luther Halsey Reichelderfer, M.D., LL.D., 1661 Crescent Place.

1940

- Charles Silas Baker, A.M., LL.B., 720 Munsey Building.  
\*Bennett Champ Clark, A.B., LL.B., Senate Office Building.  
John Henry Cowles, LL.D., 1733 Sixteenth Street.  
Robert Vedder Fleming, Riggs National Bank.  
Charles Carroll Glover, Jr., A.M., LL.B., Riggs National Bank.

\* Nominated by the alumni.

Arthur Peter, LL.B., Washington Loan and Trust Building.

Mrs. Henry Alvah Strong, LL.D., Hill Building.

Merle Thorpe, A.B., United States Chamber of Commerce Building.

\*Alfred Adams Wheat, A.B., LL.B., LL.D., District Court House.

---

*Chairman of the Board of Trustees*

Robert Vedder Fleming

*Vice Chairman of the Board of Trustees*

Arthur Peter

*Secretary of the Board of Trustees*

Harry Cassell Davis

---

\* Nominated by the alumni

## OFFICERS OF ADMINISTRATION

### THE UNIVERSITY

- Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*  
William Carl Ruediger, Ph.D., *Provost of the University.*  
Charles Wendell Holmes, LL.D., *Comptroller of the University.*  
Harold Griffith Sutton, M.S., *Director of Admissions.*  
John Russell Mason, B.S. in L.S., A.M., *Librarian of the University.*  
Fred Everett Nessell, A.B., *Registrar of the University; Secretary of the Faculties.*  
Robert Whitney Bolwell, Ph.D., *Dean of the Summer Sessions.*  
Vinnie Giffen Barrows, A.M., *Director of Women's Personnel Guidance.*  
Daniel LeRay Borden, A.M., M.D., *Director of Health Administration.*  
Alan Thomas Deibert, A.M., *Adviser to Students from Foreign Countries.*  
Myrna Pauline Sedgwick, A.B., *Secretary to the President.*  
Lester Allan Smith, A.M., *Alumni Secretary.*

### THE SCHOOL OF MEDICINE

- Earl Baldwin McKinley, A.B., M.D., *Dean of the School of Medicine.*  
Walter Andrew Bloedorn, A.M., M.D., *Assistant Dean of the School of Medicine; Medical Director of the University Hospital.*  
Frank Adelbert Hornaday, M.S., M.D., *Assistant Director of Admissions.*



## STAFF OF INSTRUCTION IN MEDICINE

### EMERITUS LIST

WILLIAM KENNEDY BUTLER, A.M., M.D., <i>Professor Emeritus of Ophthalmology.</i>	5 Quincy St., Chevy Chase, Md.
HURON WILLIS LAWSON, M.S., M.D., <i>Professor Emeritus of Obstetrics and Gynecology.</i>	1717 N St.
JAMES FARNANDIS MITCHELL, A.B., M.D., <i>Professor Emeritus of Clinical Surgery.</i>	1344 19th St.
BUCKNER MAGILL RANDOLPH, M.D., <i>Professor Emeritus of Clinical Medicine.</i>	Box 1217, Warrenton, Va.
STERLING RUFFIN, M.D., S.D., <i>Professor Emeritus of Medicine.</i>	Connecticut Apts.

### ACTIVE LIST

THEODORE JUDSON ABERNETHY, B.S., M.D., <i>Clinical Instructor in Medicine.</i>	1411 20th St.
ELLEN GRAY ACREE, A.B., <i>Research Associate in Bacteriology.</i>	2121 New York Ave.
ERRETT CYRIL ALBRITTON, A.B., M.D., <i>Professor of Physiology.</i>	5417 Nebraska Ave.
HARRY FORD ANDERSON, M.D., <i>Associate Professor of Dermatology and Syphilology.</i>	1717 Poplar Lane
WILLIAM STATON ANDERSON, A.B., M.D., <i>Clinical Instructor in Pediatrics.</i>	2410 R St.
CHARLES ARMSTRONG, M.D., <i>Professorial Lecturer in Preventive Medicine.</i>	1001 Otis St. NE.
ARNOLD KENT BALLS, Ph.D., <i>Adjunct Professor of Enzymology.</i>	1406 Lowell St.
RALPH WALDO BARRIS, Ph.D., <i>Assistant Professor of Anatomy.</i>	1631 Euclid St.
WALTER ANDREW BLOEDORN, A.M., M.D., <i>Professor of Medicine; Assistant Dean of the School of Medicine; Medical Director of the University Hospital.</i>	4617 Hawthorne Lane

- DANIEL L. RAY BORDEN, A.M., M.D.,  
*Associate Professor of Surgery; Director of Health Administration; University Surgeon.* 1835 I St.
- WALTER WILLARD BOYD, E.E., M.S., M.D.,  
*Clinical Instructor in Obstetrics and Gynecology.* 7211 Fairfax Rd.,  
Bethesda, Md.
- JETER CARROLL BRADLEY, M.D.,  
*Clinical Instructor in Obstetrics and Gynecology.* 4916 Van Ness St.  
*Associate University Physician*
- CRENSHAW DOUGLAS BRIGGS, B.S., M.D.,  
*Clinical Instructor in Surgery.* 2017 Q St.
- LEO T. BROWN, M.D.,  
*Clinical Instructor in Medicine.* 4000 Cathedral Ave.
- RADFORD BROWN, M.D.,  
*Professor of Obstetrics and Gynecology.* 1601 19th St.
- EDWARD ALEXANDER CAFRITZ, M.D.,  
*Clinical Instructor in Surgery.* Westchester Apts.
- RICHARD BERNARD CASTELL, A.B., M.D.,  
*Clinical Instructor in Medicine, Associate University Physician.* 5922 13th St.
- WILLIAM WILEY CHASE, A.B., M.D.,  
*Clinical Instructor in Surgery.* 1608 Madison St.
- ALAN JEFFRIES CHENERY, M.D.,  
*Associate in Urology.* 4330 Forest Lane.
- ELIZABETH EMERY CHICKERING, A.B., M.D.,  
*Associate in Pediatrics.* 3001 Connecticut Ave.
- AUSTIN BROCKENBROUGH CHINN, M.D.,  
*Clinical Instructor in Medicine.* 1914 Connecticut Ave.
- CLINE N. CHIPMAN, M.D.,  
*Associate in Anesthesia.* 1400 Rhode Island Ave
- ROGER MORRISON CHOISSER, B.S., M.D.,  
*Professor of Pathology.* 1500 36th St.
- LAURENCE LEE COCKERILLE, M.D.,  
*Associate in Obstetrics and Gynecology.* 309 Varnum St.
- HAZEN EUGENE COLE, B.S., M.D.,  
*Clinical Instructor in Surgery.* 639 E. Capitol St.
- JAMES LLOYD COLLINS, A.B., M.D.,  
*Clinical Instructor in Surgery.* 1650 Harvard St.
- SELWYN DEWITT COLLINS, Ph.D.,  
*Professorial Lecturer on Sanitary Science.* 1223 Floral St.
- COURSEN BAXTER CONKLIN, A.M., M.D.,  
*Clinical Professor of Medicine.* 3200 44th St.

RONALD ATMORE COX, A.B., M.D., <i>Clinical Instructor in Ophthalmology.</i>	2220 20th St.
GEORGE WILLIAM CRESWELL, A.B., M.D., <i>Associate in Dermatology and Syphilology.</i>	1630 Jonquil St.
PHOEBE JEANNETTE CRITTENDEN, Ph.D., <i>Instructor in Pharmacology.</i>	106 W. Underwood St., Chevy Chase, Md.
HENRY LAURAN DARNER, A.B., M.D., <i>Clinical Professor of Obstetrics and Gynecology.</i>	La Salle Apts.
DAVID DAVIS, A.B., M.D., <i>Associate in Oto-rhino-laryngology.</i>	4807 Colorado Ave.
WILLIAM THORNWALL DAVIS, M.D., <i>Professor of Ophthalmology.</i>	927 Farragut Sq.
BENJAMIN FRANKLIN DEAN, Jr., A.B., M.D., <i>Associate in Surgery.</i>	3221 Patterson St.
PAUL FREDERICK DICKENS, B.S., M.D., <i>Associate in Medicine.</i>	3727 Reservoir Rd.
SAMUEL MAYER DODEK, A.M., M.D., <i>Clinical Instructor in Obstetrics and Gynecology.</i>	1016 16th St.
HARRY HAMPTON DONNALLY, A.M., M.D., <i>Professor of Pediatrics.</i>	High Acres, Conduit Rd.
HARRY SAMUEL DOUGLAS, A.B., M.D., <i>Clinical Instructor in Obstetrics and Gynecology.</i>	1673 Columbia Rd.
HARRY FILMORE DOWLING, A.B., M.D., <i>Clinical Instructor in Medicine.</i>	2111 Bancroft Pl.
WARREN FALES DRAPER, A.B., M.D., <i>Professorial Lecturer on Public Health Administration.</i>	4710 25th St., Lyndonhurst, Arlington Co., Va.
ADDISON McGUIRE DUVAL, M.D., <i>Clinical Instructor in Psychiatry.</i>	St. Elizabeths Hospital.
VINCENT DU VIGNEAUD, Ph.D., <i>Professor of Biochemistry.</i>	4000 Cathedral Ave.
HELEN MARIE DYER, Ph.D., <i>Instructor in Biochemistry.</i>	Apt. 201F, Tilden Gardens Apts.
ROLLO EUGENE DYER, A.B., M.D., <i>Professional Lecturer in Preventive Medicine.</i>	3131 Rittenhouse St.
WATSON WILLIAM ELDRIDGE, M.D., <i>Associate in Medicine.</i>	St. Elizabeths Hospital.
JOSEPH FRANCIS ELWARD, Ph.D., M.D., <i>Clinical Instructor in Radiology.</i>	4441 Hawthorne St.
CLAYTON BERNARD ETHRIDGE, M.D., <i>Clinical Instructor in Medicine.</i>	2032 Belmont Rd.



<b>PALL JACOB EWERHARDT, M.D.,</b> <i>Clinical Instructor in Psychiatry.</i>	3322 McKinley St.
<b>RUSSELL JOSEPH FIELDS, B.S., M.D.,</b> <i>Clinical Instructor in Dermatology and Syphilology.</i>	2029 Connecticut Ave.
<b>AUBREY DAVID FISCHER, M.D.,</b> <i>Clinical Instructor in Otorhinolaryngology.</i>	3303 Woodley Rd.
<b>ALMA FOGELBERG, Ph.D.,</b> <i>Instructor in Physiology.</i>	17 W. Irving St., Chevy Chase, Md.
<b>THEODORE CLAREMONT CHEN FONG, M.D.,</b> <i>Clinical Instructor in Dermatology and Syphilology.</i>	1374 Somerset Pl.
<b>EDWARD FRANCIS, B.S., M.D., LL.D.,</b> <i>Professorial Lecturer in Preventive Medicine.</i>	U.S. Public Health Service.
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Radford Brown, M.D.	Clayton Howard Hixson, M.D.
Elijah White Titus, Ph.D., M.D.	Henry J. R. McNitt, B.S., M.D.
Jacob Kotz, M.D.	Bernard Notes, M.D.
Henry Luran Darner, A.B., M.D.	Helen Gladys Kain, B.S., M.D.
Herbert Percy Ramsey, A.B., M.D.	Esther A. Nathanson, A.B., M.D.
William Preston Haynes, A.B., M.D.	Samuel Mayer Dodek, A.M., M.D.
George Nordlinger, A.B., M.D.	Katherine Elizabeth Parker, A.M., M.D.
William Raymond Thomas, M.D.	Walter Willard Boyd, E.E., M.S., M.D.
Joseph Harris, A.B., M.D.	Howard Pope Parker, M.D.
Laurence Lee Cockerille, M.D.	Roger O'Donnell, M.D.

CENTRAL LABORATORY

Harry Filmore Dowling, A.B., M.D., *Director*

## LABORATORY TECHNICIANS

Marie Woodwell

Margaret Stack

Theodosia V. Foxwell, S.R.N.

## NURSING STAFF

Eleanor Morrow Schwinn, R.N., *Superintendent of Nurses.*Florence Newman, R.N., *Night Supervisor.*Dorothy Swiger, R.N., *Obstetrical Supervisor.*

## RESIDENT STAFF

Charles Seymour Coakley, M.D., *Resident Physician.*Harold Albert Craft, M.D., *Resident Physician.*William Duvall Claudy, M.D., *Intern.*Wolcott Loweree Etienne, M.D., *Intern.*William Thurston Lady, M.D., *Intern.*Donald Harper Leeper, M.D., *Intern.*Harold Edward Sisson, M.D., *Intern.*

## ADMINISTRATION

Walter Andrew Bloedorn, A.M., M.D., *Medical Director.*Helen Pauline Swanson, *Secretary to the Medical Director.*Margaret Scruggs French, *Record Librarian.*Catherine Elta Nichols, *Cashier-Bookkeeper.*Margaret Smith Greene, *Cashier-Bookkeeper.*Mary Hold Philbrick, *Dietitian.*Virginia Duffey, A.B., *Dispensary Clerk.*

## TECHNICAL ASSISTANTS

John Aloysius Rossiter, *Pharmacist.*William Grant Lawson, *X-ray Technician.*MEMBERS OF THE STAFF OF THE SCHOOL OF MEDICINE  
ASSIGNED TO THE GALLINGER HOSPITAL SERVICEWalter Andrew Bloedorn, A.M., M.D., *Chief of Staff.*Charles Stanley White, M.D., *Head, Department of Surgery.*Howard Francis Kane, A.B., M.D., *Head, Department of Obstetrics and Gynecology.*

DEPARTMENT OF MEDICINE

GENERAL MEDICINE

Coursen Baxter Conklin, A.M., M.D., *Chief of Service.*  
Maurice Protas, A.B., M.D., *Chief of Service.*  
Paul Frederick Dickens, B.S., M.D., *Chief of Service.*  
Frank Adelbert Hornaday, M.S., M.D., *Chief of Service.*  
Elmer Wink Fugitt, M.D., *Associate.*  
Nicholas Athanasiou Mandelos, M.D., *Associate.*  
A. Fife Heath, M.D., *Associate.*  
Harry Filmore Dowling, A.B., M.D., *Associate.*  
George Louis Weller, Jr., A.B., M.D., *Associate.*  
Walter Kendall Myers, B.S., M.D., *Associate.*  
Theodore Judson Abernethy, B.S., M.D., *Associate.*  
Austin Brockenbrough Chinn, M.D., *Associate.*  
Clayton Bernard Ethridge, M.D., *Associate.*

PEDIATRICS

Margaret Mary Nicholson, A.B., M.D., *Visiting Physician.*  
Elizabeth Emery Chickering, A.B., M.D., *Visiting Physician.*  
Aaron Nimetz, A.B., M.D., *Visiting Physician.*

CONTAGIOUS DISEASES

James Alfred Rolls, A.B., M.D., *Visiting Physician.*  
Mabel Harlakenden Grosvenor, A.B., M.D., *Visiting Physician.*

DERMATOLOGY

Harry Ford Anderson, M.D., *Visiting Physician.*  
Russell Joseph Fields, B.S., M.D., *Visiting Physician.*

DEPARTMENT OF SURGERY

GENERAL SURGERY

William Warren Sager, M.S., M.D., *Chief of Service.*  
Paul Stirling Putzki, M.D., *Chief of Service.*  
Alec Horwitz, M.S., M.D., *Chief of Service.*



Arch Lockhart Riddick, A.B., M.D., *Chief of Service.*  
Benjamin Franklin Dean, Jr., A.B., M.D., *Associate.*  
Hazen Eugene Cole, B.S., M.D., *Associate.*  
William Wiley Chase, A.B., M.D., *Associate.*  
James Lloyd Collins, A.B., M.D., *Associate.*  
William Ross Morris, M.D., *Associate.*  
Arthur James Mourot, B.S., M.D., *Associate.*

## ORTHOPEDICS

Philip Oscar Pelland, M.D., *Visiting Surgeon.*  
Julius Salem Neviaser, A.B., M.D., *Visiting Surgeon.*

## OPHTHALMOLOGY

Ernest Alfred Watson Sheppard, M.D.C.M., *Visiting Surgeon.*  
George Victor Simpson, M.D., *Visiting Surgeon.*  
Edgar Leonard Goodman, M.D., M.M.S., *Visiting Surgeon.*

## OTOLARYNGOLOGY

Don R. Johnson, LL.B., M.D., *Visiting Surgeon.*  
David Davis, A.B., M.D., *Visiting Surgeon.*  
Leroy Lee Sawyer, Jr., A.B., M.D., *Visiting Surgeon.*  
Aubrey David Fischer, M.D., *Visiting Surgeon.*  
Jeter Carroll Bradley, M.D., *Visiting Surgeon.*  
Lyman Brooke Tibbets, Phar.D., M.D., *Visiting Surgeon.*  
Joel Norton Novick, M.D., M.S.C., *Visiting Surgeon.*

## UROLOGY

Thomas Carlton Thompson, B.S., M.D., *Chief of Service.*  
Gilbert Ottenberg, A.M., M.D., *Visiting Surgeon.*  
Alan Jeffries Chenery, M.D., *Visiting Surgeon.*  
Frederick August Reuter, M.D., *Visiting Surgeon.*

## ANESTHESIA

Cline N. Chipman, M.D., *Chief of Service.*  
Charles Wilbur Hyde, M.D., *Visiting Surgeon.*  
Francis George Speidel, M.D., *Visiting Surgeon.*  
Elizabeth Emery Chickering, A.B., M.D., *Visiting Surgeon.*

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

OBSTETRICS

Joseph Harris, A.B., M.D., *Chief of Service.*  
William Raymond Thomas, M.D., *Chief of Service.*  
William Preston Haynes, A.B., M.D., *Chief of Service.*  
George Nordlinger, A.B., M.D., *Chief of Service.*  
Clayton Howard Hixson, M.D., *Associate.*  
Bernard Notes, M.D., *Associate.*  
Laurence Lee Cockerille, M.D., *Associate.*  
Samuel Mayer Dodek, A.M., M.D., *Associate.*  
Henry John Russell McNitt, B.S., M.D., *Associate.*  
Walter Willard Boyd, E.E., M.S., M.D., *Associate.*  
Howard Pope Parker, M.D., *Associate.*

GYNECOLOGY

Radford Brown, M.D., *Chief of Service.*  
Henry Luran Darner, A.B., M.D., *Chief of Service.*  
Herbert Percy Ramsey, A.B., M.D., *Chief of Service.*  
Jacob Kotz, M.D., *Chief of Service.*  
Henry John Russell McNitt, B.S., M.D., *Associate.*  
Bernard Notes, M.D., *Associate.*  
Laurence Lee Cockerille, M.D., *Associate.*  
Esther Alsylvia Nathanson, A.B., M.D., *Associate.*  
Clayton Howard Hixson, M.D., *Associate.*

DEPARTMENT OF PSYCHIATRY AND NEUROLOGY

PSYCHIATRY

Winfred Overholser, A.B., M.D., *Visiting Physician.*  
Harriet Elizabeth Twombly, A.B., M.D., *Visiting Physician.*

NEUROLOGY

Walter Freeman, Ph.D., M.D., *Visiting Physician.*  
Hyman David Shapiro, M.D., *Visiting Physician.*  
James Winston Watts, M.D., *Visiting Physician.*

## DEPARTMENT OF LABORATORIES AND RADIOLOGY

## PATHOLOGY

Edward Bright Vedder, A.M., M.D., Sc.D., *Visiting Physician.*

Roger Morrison Choisser, B.S., M.D., *Visiting Pathologist.*

Luther Henry Snyder, A.B., M.D., *Visiting Pathologist.*

## SPECIAL CONSULTANTS

William Beverley Mason, M.D., *Consultant in Oto-rhino-laryngology.*

Harry Hampton Donnally, A.M., M.D., *Consultant in Pediatrics.*

William Johnston Mallory, A.M., M.D., *Consultant in Medicine.*

Francis Randall Hagner, M.D., *Consultant in Urology.*

Charles Augustus Simpson, M.D., *Consultant in Dermatology.*

William Thornwall Davis, M.D., *Consultant in Ophthalmology.*

## GENERAL INFORMATION

## INTRODUCTORY

The School of Medicine of The George Washington University, the eleventh medical school established in the United States, opened in March 1825. The University Hospital and Dispensary were established in 1898 and made a part of the organization of the School.

The School is a member of the Association of American Medical Colleges and is one of the medical colleges which have been designated continuously as "class A" by the American Medical Association. The degrees of the School of Medicine are recognized by all State examining boards.

## LOCATION AND ADVANTAGES

The city of Washington, with more than a half-million inhabitants, provides ample clinical material. The University Hospital and Dispensary furnish clinical facilities and a large proportion of the materials studied in the courses in Pathology and Clinical Microscopy.

The Library of the Surgeon General's Office of the United States Army is the most complete general medical library in the world. In addition to its great collections of medical works, all leading medical periodicals of the world are available. This Library, as well as the Library of Congress, the Public Library, and the many excellent libraries of the various Government departments, is open to medical students.

The Army Medical Museum affords opportunity for studying the conditions met in military and general medicine and surgery. Its collection of anatomical and pathological specimens is unequalled by any other museum in this country. The Museum of Hygiene, the National Museum,



the Smithsonian Institution, the Botanic Gardens, and the Department of Agriculture all afford opportunities for study in Medicine and its allied sciences.

#### EQUIPMENT

*Medical School Building.*—The building housing the School of Medicine is a modern, five-story structure with lecture rooms and classrooms, laboratories, and students' rooms, equipped with modern improvements. A four-story laboratory building is adjacent to the main medical building.

*Laboratories.*—The major laboratories are for Anatomy, Histology and Embryology, Bacteriology, Hygiene and Preventive Medicine, Biochemistry, Pathology, Pharmacology and Physiology, and Clinical Microscopy. They are fully equipped to enable students to pursue adequately the laboratory courses and to acquire the technical skill necessary in modern clinical and investigative work.

*Medical Library.*—The Library contains a selected reference collection of more than 3,000 volumes, and provision is made to add to it the important new medical works. The principal medical periodicals are received regularly.

For purposes of advanced study and research the Library of the Surgeon General of the Army is available to all students and teachers through a service maintained by the Medical School Library.

#### CLINICAL FACILITIES

*The University Hospital and the University Dispensary.*—The Hospital and Dispensary are part of the educational equipment of the University. They are adjacent to the School of Medicine and are controlled by the Faculty of Medicine. The Dispensary has a large out-patient service in all departments, to which several thousand visits are made annually. The Faculty believes that clinical teaching should be thoroughly systematized. To this end, all clinics are under the supervision of the Assistant Dean, who is also Medical Director of the Hospital. This insures the highest possible utilization of available clinical material for teaching purposes and the proper supervision of clinicians and students; it brings the individual student into direct contact with patients and requires him to do under authoritative supervision the clinical and laboratory work necessary for diagnosis and treatment; and it permits proper interpretation of the conditions occurring during the progress of cases and promotes the keeping of adequate records. Clinical and clinicopathological conferences are held in which the history of cases, the physical findings, laboratory records, and the post-mortem pathology when available, are presented and correlated. The Assistant Dean assigns the students to the different clinics, and supervises the records, the attendance, and the instruction of students. Third-year students are assigned in rotation by sections for clinical instruction in the Dispensary.

*Gallinger Municipal Hospital.*—Clinical instruction is available in all branches of Medicine. A great wealth of clinical material is afforded in this hospital by ordinance of the municipal authorities of the District of Columbia, whereby one half of the patients are assigned for treatment and clinical teaching to members of the Faculty of this School, nominated by this University.

*Children's Hospital.*—Clinical instruction in Pediatrics, Dermatology, and General and Orthopedic Surgery.

*Emergency Hospital and Central Dispensary.*—Clinical instruction in Medicine, Surgery (particularly in emergency surgery, fractures, and dislocations), Dermatology, and Orthopedics.

*Garfield Memorial Hospital.*—Clinical instruction in Urology, Gynecology, and Obstetrics.

*St. Elizabeths Hospital.*—Clinical instruction in mental and nervous diseases, Medicine, Surgery, post-mortem work, and Gross Pathology. This hospital, with four thousand beds, is maintained by the United States Government. The psychiatric clinic is one of the largest in the world.

*The Episcopal Eye, Ear, Nose, and Throat Hospital.*—Clinical instruction in Ophthalmology, Otology, Rhinology, and Laryngology.

#### RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY, MEDICAL UNIT

A Medical Unit of the Reserve Officers' Training Corps is established in this School by authority of the Secretary of War, and an officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the students in the unit.

Membership in the Unit is voluntary and is open to any physically fit male student who is a citizen of the United States. The instruction is divided into two courses, the basic and the advanced, two years each. Students who satisfactorily complete the basic course may, up to the quota allowed by the Department of War, and if they choose, enter the advanced course. Students who enter the advanced course receive pay from the Government amounting to approximately \$200. They are obligated to complete the course and to attend one summer camp of instruction for six weeks, for which the students will receive pay at the rate of \$21 a month and travel allowances, and for which they will be provided with all camp equipment, uniforms, and medical attention. Students who successfully complete the course are recommended for commission in the Medical Section, Officers' Reserve Corps, provided they desire appointment. Graduates may, after completion of one year's internship in a civil hospital, compete in the examinations held yearly for appointment as first lieutenant in the Medical Corps of the Regular Army.

### ADMISSION

The minimum requirement for admission is two years of college work, totaling at least sixty semester-hours, taken in an accredited college of arts and sciences.

Students planning to complete premedical-college work in The George Washington University and later make application to the George Washington University School of Medicine must complete all the requirements for the Junior Certificate granted by the Junior College.

### SPECIFIC EDUCATIONAL REQUIREMENTS

#### SECONDARY-SCHOOL REQUIREMENTS

Of the fifteen secondary-school units required, three must be in English, two in one foreign language (ancient or modern), one in Algebra, one in Geometry, one in History, and one in Science (Botany, Chemistry, Physics, or Zoology). Eleven of the units offered must be in English, foreign language, Mathematics, Science, and History. No candidate will be accepted with any condition in secondary-school work.

#### PREMEDICAL-COLLEGE REQUIREMENTS

##### *Sixty Semester-Hours*

1. Chemistry, twelve semester-hours as follows: (a) eight semester-hours of General Inorganic Chemistry, of which at least four semester-hours are laboratory work (Qualitative Analysis may be counted as General Inorganic Chemistry); (b) four semester-hours of Organic Chemistry, of which two semester-hours are laboratory work. It is strongly recommended, however, that an additional four semester-hours of Organic Chemistry be taken.

2. Physics, eight semester-hours, of which at least two semester-hours are laboratory work. It is recommended that this course be preceded by one in Trigonometry.

3. Biology, eight semester-hours, of which at least four semester-hours are laboratory work. This requirement may be satisfied by a course of eight semester-hours in either General Biology or Zoology, or by a course of four semester-hours each in Zoology and Botany, but not by Botany alone.

4. English composition and literature, six semester-hours: the usual introductory college course, or its equivalent. The student should develop facility in speaking and writing English.

5. Modern foreign language: a reading knowledge, preferably of French or German.

6. Electives. It is recommended that the remaining semester-hours required include: (a) Comparative Vertebrate Anatomy; (b) Qualitative and Quantitative Chemistry; (c) Social Science and Psychology.

No student will be accepted with any condition in college work.



#### APPLICATION FOR ADMISSION

1. Forms upon which to submit records of secondary-school and college work will be furnished on request.

All credentials submitted are to be made out by the proper school and college authorities and mailed by them to the Director of Admissions, The George Washington University, 2029 G Street N.W., Washington, D.C. Photostat copies of credentials without the original signature of the certifying authority will not be accepted.

*Each form must cover only work done at the school or college which fills out the form.*

2. A recent photograph, with signature, is required of each applicant.

3. As the number of qualified applicants for admission to the School each year far exceeds its capacity, it is urged that, in order to facilitate consideration of their applications, candidates for admission secure from the schools and colleges attended completely compiled premedical credentials and forward them for evaluation as long a time as possible before the opening of the School of Medicine in September.

4. A fee of \$3 to defray the costs of completing the records for final consideration for admission must accompany each application.

#### ADVANCED STANDING

Students who have satisfactorily attended one or more years at any other "class A" medical school, and who have the necessary preliminary educational requirements, may be admitted to advanced standing. No student, however, will be admitted to advanced standing in the senior class.

#### LEGAL STANDARDS

The laws relating to the preliminary educational qualifications required of physicians differ in many of the States, but candidates are advised that if they meet the premedical and other requirements of this School they will be able to comply with the legal demands of all State examining boards in the United States.

#### REGISTRATION AND ADMISSION TO CLASSES

Registration in the School of Medicine is for a period of one year. After the student has entered the courses of instruction he is obligated for the full tuition for the year. No part of the tuition will be refunded upon withdrawal or dismissal for any cause. Acceptance by the School of a student's fees does not in any way obligate the School to accept the student for any subsequent year, and the right is reserved to drop any student from the School whenever, in the interest of the student or the School, the Faculty deems it advisable to do so.

Students are admitted to classes on presentation of the Comptroller's ticket, which is issued when all required fees have been paid.

## FEES AND FINANCIAL REGULATIONS

The following fees are prescribed by statute:

University fee, for each semester or for any part thereof.....	\$8.00
Tuition fee, per annum*.....	54.00
Fee for special examinations, for each subject.....	5.00
Graduation fee.....	20.00

## UNIVERSITY FEE

Payment of the University fee, charged all students, secures to them the following University privileges: (1) the issuance of three certified transcripts of record, it and when desired; (2) the services of the Placement Office; (3) the use of the University library facilities, except as otherwise designated; (4) gymnasium privileges and the use of the University playing fields; (5) admission to all athletic contests, unless otherwise specified; (6) subscription to the *University Hatchet*, the student newspaper; (7) admission to University debates; (8) medical attention and hospital services administered by the Department of Health Administration (see page 32). These privileges, however, with the exception of the issuance of transcripts, terminate, and a student is no longer in residence, when he withdraws or is dropped from the University.

## PAYMENT OF FEES

Fees for each semester (including the University fee) are \$275, payable in advance.

All fees are payable at the Office of the Comptroller of the University, 725 Twenty-first Street NW. Fees due must be paid at the time of registration; no student is permitted to complete registration or to attend classes until fees are paid.

On account of the many applications for admission, and as the size of the freshman class is limited, places can be reserved only for those qualified applicants who remit a deposit of \$100, which will be credited toward the tuition of the first semester. Should unusual circumstances arise whereby the matriculant is unable to attend, this initial payment, less a charge of \$50 for registration, transfer, etc., will be returned up to one month before the opening of the session.

Students will be required to pay for injury to apparatus and other University property. All breakage and loss not directly traceable to an individual student are assessed pro rata. Each student is required, at the completion of laboratory courses, to replace or pay for all articles of equipment which he has lost, broken, or destroyed. Credit for work will not be given until this is done.

\* Students who were registered during 1935-36 will continue to pay tuition fee of \$484 per annum.

### COST OF TEXTBOOKS AND STUDENT EQUIPMENT

The minimum cost of necessary textbooks and student equipment (microscope, drawing materials, glass slides, clinical thermometer, stethoscope, hemocytometer, etc.) is approximately as follows: first year, \$150; second year, \$87; third year, \$60; fourth year, \$60; total, \$357.

### LIVING ACCOMMODATIONS

#### MEN STUDENTS

For the benefit of nonresident men a register of rooms which have been inspected and approved is kept in the Office of the Director of Women's Personnel Guidance, where inquiries in respect to housing facilities should be addressed.

Single rooms usually range in price from \$20 to \$30 a month, and double rooms from \$10 to \$20 a month a person. Rooms with board, including breakfast and dinner, cost from \$40 to \$50 a month a person.

It is advisable for students to reach the University two or three days before the opening of the term in order that they may become established in satisfactory living quarters before class work begins.

#### WOMEN STUDENTS

The Hattie M. Strong Hall is open to women students. This residence provides a comfortable home on the University Yard, half a mile from the School of Medicine. For further information address the Director of Women's Personnel Guidance at The George Washington University.

All women students under twenty-three years of age must have their residences approved by the Director of Women's Personnel Guidance, unless they are living with family or relatives. Registration is not complete until such approval is given.

### SCHOLARSHIPS, PRIZES, LOAN FUNDS

The John Hitz Metzgerott Scholarship is available to students in the School of Medicine.

The Ordronaux Prize of \$80 is awarded to the member of the graduating class of the School of Medicine who has completed the four-year medical course with the highest scholastic standing.

The Daughters of the American Revolution Loan Fund and the Henry Strong Educational Foundation Loan Fund are available to students in the School of Medicine.

For particulars regarding scholarships, prizes, and loan funds, address the Chairman of the Faculty Committee on Student Loans and Scholarships, The George Washington University.



## DEPARTMENTS OF INSTRUCTION

The work of the School is organized under the following departments: Anatomy; Bacteriology, Hygiene, and Preventive Medicine; Biochemistry; Dermatology and Syphilology; Experimental Medicine; Medicine; Military Science and Tactics; Neurology; Obstetrics and Gynecology; Ophthalmology; Oto-rhino-laryngology; Pathology; Pediatrics; Pharmacology and Therapeutics; Physiology; Psychiatry; Surgery; and Urology.

### CLINICS

Courses of clinical instruction are included in the announcements of the clinical departments. The Assistant Dean prepares schedules of clinics and of student section assignments to the various hospitals and dispensaries.

### GENERAL REGULATIONS

*Students in the School of Medicine are subject to, and are expected to familiarize themselves with, the general University regulations stated in the University catalogue.*

### ATTENDANCE

Absence consists in being away from a class or clinic during a scheduled period, entering after the class or clinic has begun, or leaving before either is dismissed.

Absence is not allowed unless an excuse is obtained from the Dean or the instructor.

Excuse for absence due to sickness must be accompanied by a certificate signed by the attending physician and must be filed in the Office of the Dean.

For every unexcused absence a department will deduct one half of one per cent from the student's final grade in the subject involved.

### GRADES

Proficiency in all subjects is marked on a basis of *A* (90-100); *B* (80-90); *C* (75-80); *D* (65-74), condition; *E* (below 65), failure; *I*, incomplete. The passing grade in each subject is *C*.

### ADVANCEMENT

Any student who has satisfactorily completed the required work of the first, second, or third year of the course and has passed all examinations is eligible for advanced standing, if approved by the Committee on Scholarship. No student may be enrolled for the clinical work of the third and fourth years without first having qualified in all the preclinical sciences.

### FAILURE

A student who has failed in any subject will not be advanced until such failure is removed and then only by authority of the Committee on Schol-

arship. All conditions must be removed at the next make-up examination period provided for this purpose.

#### EXAMINATIONS

Examinations, which may be written, oral, or practical, will be held at the end of the first semester and at the end of the academic year.

A student who fails to appear at a regularly scheduled final examination will not be examined until the next regular examination, except by special permission of the Committee on Scholarship. For make-up examinations to remove conditions, a fee of \$5 will be charged for each subject.

#### SPECIAL UNDERGRADUATE AND GRADUATE ADVANTAGES IN THE SCHOOL OF MEDICINE

##### HEALTH ADMINISTRATION

The payment of the University fee entitles students to health services hereinafter described. Through reports from the students and University officials, the University attempts to keep informed as to all cases of illness among its students.

Medical privileges include: (1) the physical examination of all students entering from secondary schools; (2) three visits by the University physician or surgeon, office or home, in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) hospitalization, including board, medicine, and nursing in the University Hospital for not more than two weeks during a school year—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

This medical benefit does not include treatment for illness or disability incurred previous to the University term or prior to payment of the University registration fee.

Students are allowed, if they so desire, to engage physicians and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules: (1) The Director of Health Administration is empowered to limit or deny the medical benefits where, in his discretion, a student has, by his misconduct or breach of the rules of the University, made himself ineligible; (2) the Director of Health Administration has authority to determine the necessity and length of hospitalization; (3) students who have severed their connection with the University are ineligible for medical benefits; (4) students intending to train for athletic teams are required to pass a thorough examination at the beginning of each semester; (5) the above regulations apply also during the Summer Sessions of the University.

### PHYSICAL EXAMINATIONS

All first-year students are given a comprehensive physical examination by the Department of Health Administration upon admission to the School of Medicine. The students are informed of the findings and advised regarding such measures as will tend to maintain a high standard of health.

### HOSPITAL APPOINTMENTS

Interns are appointed annually in the University Hospital. Similar appointments are made to graduates and undergraduates of this School in the following hospitals of the District: Casualty Hospital; Children's Hospital; Columbia Hospital for Women; Emergency Hospital; Episcopal Eye, Ear, Nose, and Throat Hospital; Gallinger Municipal Hospital; Garfield Memorial Hospital; Providence Hospital; St. Elizabeths Hospital; Sibley Hospital; Tuberculosis Hospital; and Walter Reed United States Army General Hospital.

Students who, after graduation, desire internships in hospitals outside the District of Columbia should apply directly to the institutions which they wish to enter. A list of hospitals approved for intern training is published annually in the *Journal of the American Medical Association*, and a copy of the list may be consulted in the Office of the Dean.

### COMMISSION ON LICENSURE, DISTRICT OF COLUMBIA

Graduates who wish to take the examinations of the Commission on Licensure, District of Columbia, or desire to use the District license for reciprocity with the States, should apply to the Secretary, Commission on Licensure, Healing Arts Practice Act, District Building, Washington, D. C.

### UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905. All alumni and members of the Faculty are eligible for membership on election. Meetings of the Society are held in the School of Medicine on the third Saturday evening of each month from October to May. Senior students may be invited to attend the meetings of this society.

### COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order, beginning on page 35.

### THE DEGREE OF DOCTOR OF MEDICINE

Upon the satisfactory completion of the requirements of the School of Medicine, the degree of Doctor of Medicine is conferred. The degree of Doctor of Medicine given by this University is recognized by all State examining boards in the United States.



## REQUIREMENTS FOR THE DEGREE

Every candidate for graduation with the degree of Doctor of Medicine must be at least twenty-one years of age, of reputable character, and free of all indebtedness to the University. He must have satisfied the admission requirements, completed satisfactorily not less than four years of study as a matriculated student in Medicine, completed all required courses, and passed satisfactorily all prescribed examinations. *Particular attention is called to the statement of graduation requirements in the University catalogue.*

## COMBINED ARTS AND MEDICINE CURRICULUM

Candidates register in the Junior College for the freshman and sophomore years of the premedical curriculum and in Columbian College for the junior year. In order to be recommended for the degree of Bachelor of Arts, candidates must complete at least ninety-four semester-hours of prescribed college work including Physical Education (at least thirty semester-hours and one year of residence must be completed in Columbian College), and the first year of the medical curriculum. Upon completion of the fourth year in the medical curriculum the student becomes eligible for the degree of Doctor of Medicine.

## PLAN OF INSTRUCTION

Each year of the medical curriculum is divided into two semesters of sixteen weeks each. The curriculum for the degree of Doctor of Medicine must begin with the fall semester.

Under the order of the work there is a coordination in the offerings of the several departments which enables the student to concentrate his attention upon the subject materials in such a way that they can be readily understood and recognized as integrated parts of a unified training. The salient features in the method of instruction are thorough laboratory training, demonstrations, and clinical teaching, with recitations and lectures to clarify the many problems presented. The clinical material in the various hospitals and out-patient departments is utilized to the fullest extent for both clinical instruction and laboratory work.

## HONORS

Candidates who have completed the four-year medical course with an average grade of *A* may be recommended for graduation "with distinction".

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For catalogues, application blanks, and further information, address the Director of Admissions, The George Washington University, Washington, D.C.

## COURSES OF INSTRUCTION

On the following pages of this BULLETIN, under the alphabetically arranged names of the departments of instruction, are listed the courses of instruction offered by the School of Medicine in the academic year 1938-39. The courses here listed are subject to some slight change. The University reserves the right to withdraw any course announced.

### EXPLANATION OF COURSE NUMBERS AND SYMBOLS

The number which precedes the name of a course indicates the semester in which that course is offered. An odd number indicates that the course is offered in the first semester; an even number, that it is offered in the second semester; and a double number (e.g., 343-44), that it begins in the first semester and continues in the second.

A number in parentheses after the name of a nonprofessional course indicates semester-hours of credit.

A dagger (†) preceding the number of a year course indicates that the course may not be entered in the second semester and that credit will not be given until the work of both semesters has been completed.

First-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400; and fourth-year courses, from 401 to 500.

## ANATOMY

George Bain Jenkins, M.D., *Professor of Anatomy, Executive Officer.*

Ralph Waldo Barris, Ph.D., *Assistant Professor of Anatomy.*

\_\_\_\_\_, *Instructor in Anatomy.*

- |       |   |                   |
|-------|---|-------------------|
| 101   | <i>Gross Anatomy</i>  | Jenkins and Staff |
|       | This course consists of instruction in osteology, followed by the careful dissection and study of the entire body. Eighteen hours a week.   |                   |
| 103   | <i>Histology and Embryology</i>   | Barris and Staff  |
|       | This course includes the histogenesis and microscopic structure of the tissues and organs of the human body. Fifteen hours a week.  |                   |
| 104   | <i>Regional Anatomy</i>   | Jenkins and Staff |
|       | A correlation course in which cross sections, prepared specimens, and models are employed to study the developmental, gross, and microscopic details of body structure. Six hours a week. |                   |
| 201   | <i>Functional and Surgical Anatomy</i>  | The Staff         |
|       | A course in applied anatomy taught in conjunction with the clinical staff. Two hours a week.  |                   |
| 203-4 | <i>Research</i>   | Jenkins and Staff |
|       | Hours and credits to be arranged.   |                   |
| 205   | <i>Microscopic Technique (elective)</i>   | The Staff         |
|       | One hour a week.  |                   |
| 336   | <i>Surgical Anatomy (elective)*</i>   | Jenkins           |
|       | Two hours a week.   |                   |

\*This course is given in collaboration with the Department of Surgery.



## BACTERIOLOGY, HYGIENE, AND PREVENTIVE MEDICINE

Earl Baldwin McKinley, A.B., M.D., *Professor of Bacteriology, Executive Officer.*

Leland Wilbur Parr, Ph.D., *Professor of Bacteriology.*

John Harold Hanks, Ph.D., *Associate Professor of Bacteriology.*

Alden Franklin Roe, Sc.D., *Instructor in Bacteriology.*

Ellen Gray Acree, A.B., *Research Associate in Bacteriology.*

### 112 *General Bacteriology* (3)

Roe

A study of the fundamental facts of bacteriology, including discussions of the industrial and hygienic applications of the science. Several groups of bacteria, yeasts, and molds are studied in the laboratory. Tues. and Thurs., 9.10 A.M. to 12 M.

### 114 *Bacteriology and Immunology*

McKinley, Parr, Hanks

A thorough grounding in bacteriological technique and a comprehensive study of all the important pathogenic micro-organisms. The course stresses those phases of bacteriology and immunology directly related to medical problems concerning infectious diseases and their pathology, diagnosis, and treatment. Practical immunological and serological technique, certain of the helminths and protozoan parasites, the filterable viruses, and rickettsiae are also considered. Eleven hours a week.

### 209 *Immunology and Serology* (elective)

Hanks

Hours and credits to be arranged.

### 214 *Filterable Viruses*

McKinley

A survey of methods for the study of filterable viruses and of the principal virus diseases. Prerequisite: Bacteriology 112. Hours and credits to be arranged.

### 303-4 *Research in Bacteriology*

The Staff

Hours and credits to be arranged.

### 309-10 *Staff Seminar*

The Staff

Biweekly.

## HYGIENE AND PREVENTIVE MEDICINE

Roscoe Roy Spencer, A.B., M.D., *Associate Professor of Hygiene and Preventive Medicine, Coordinating Officer.*

Charles Armstrong, M.D., *Professorial Lecturer in Preventive Medicine.*

Selwyn DeWitt Collins, Ph.D., *Professorial Lecturer on Sanitary Science.*

Warren Fales Draper, A.B., M.D., *Professorial Lecturer on Public Health Administration.*

Rollo Eugene Dyer, A.B., M.D., *Professorial Lecturer in Preventive Medicine.*

Edward Francis, B.S., M.D., LL.D., *Professorial Lecturer in Preventive Medicine.*

Leslie Carl Frank, C.E., *Professorial Lecturer on Sanitary Science.*

George Walter McCoy, M.D., *Professorial Lecturer in Preventive Medicine.*

Robert Olesen, M.D., *Professorial Lecturer in Preventive Medicine.*

Royd Ray Sayers, A.M., M.D., *Professorial Lecturer on Industrial Hygiene.*

Ralph Edwin Tarbett, B.S., *Professorial Lecturer on Sanitary Science.*

Walter Lewis Treadway, M.D., *Professorial Lecturer in Preventive Medicine.*

Raymond Aloysius Vonderlehr, M.D., *Professorial Lecturer in Preventive Medicine.*

Estella Ford Warner, M.D., *Professorial Lecturer on Child Hygiene.*

William Charles White, M.B., M.D., *Professorial Lecturer on Tuberculosis.*

Louis Laval Williams, Jr., M.D., *Professorial Lecturer in Preventive Medicine.*

- 110 *Introduction to Community Health and Sanitation* (1) The Staff  
Modern sanitation, the safeguarding of public water and milk supplies, industrial hygiene, and public and community health measures. The broad obligations of the general practitioner in matters of public health and his relationship to Federal, State, municipal, county, and nonofficial health agencies are stressed. One hour a week.

- 212 *Hygiene* (2) Spencer and Staff  
The student is familiarized with the rapid present-day transition from curative to preventive medicine, the problems that are arising in the fields of medical ethics and medical economics, and the social aspects of medical practice or the ever-expanding

duties of the general practitioner and of the profession as an integral group in our social structure. Two hours a week.

301 *Preventive Medicine\**

The Staff

The methods employed in the study of epidemics of the more important communicable and reportable diseases; analysis of the epidemiological data upon which are based our modern methods of prevention and control; and exposition of the general and specific measures of control usually employed by modern health units. Two hours a week.

488 *Public-Health Aspects of Clinical Medicine and Surgery* The Staff

The course is conducted by the forum method, in which the clinical departments and the Staff in Hygiene and Preventive Medicine take part. Eight periods.

\*Supplemented for exceptional students by summer field work in various health departments.



## BIOCHEMISTRY

Vincent du Vigneaud, Ph.D., *Professor of Biochemistry, Executive Officer.*

Joseph Hiram Roe, Ph.D., *Professor of Biochemistry.*

Arnold Kent Balls, Ph.D., *Adjunct Professor of Enzymology.*

Oliver John Irish, A.M., *Instructor in Biochemistry.*

Helen Marie Dyer, Ph.D., *Instructor in Biochemistry.*

Gail Lorenz Miller, Ph.D., *Instructor in Biochemistry.*

\_\_\_\_\_, *Instructor in Biochemistry.*

- 144 Biochemistry** du Vigneaud and Staff  
Lecture course dealing with the biochemistry of proteins, fats, and carbohydrates; digestion, tissues, intestinal putrefaction, and feces; blood, milk, and urine. Physical-chemical topics such as osmosis, colloids, and enzyme kinetics are brought out in their relationship to the above-named subjects. Attention is also given to various phases of intermediary metabolism, to the endocrines, and to the so-called deficiency diseases. Two hours a week.
- 146 Biochemistry Seminar (elective)** du Vigneaud and Staff  
Seminar course for freshmen amplifying the lectures in Biochemistry 144 and taking up in greater detail certain aspects of the field. One hour a week.
- 154 Biochemistry of Foods and Nutrition (4)** Dyer  
Lecture and laboratory course designed particularly for students of the Department of Home Economics. Tues. and Thurs., 2 to 5 P.M.
- †241-42 Biochemistry (4-4)** Roe, Dyer  
Lecture and laboratory course for nonmedical students, similar in general content to Biochemistry 144 and 251. Mon. and Wed., 9 A.M. to 12 M.
- 248 Biochemistry of the Enzymes (elective)** Balls  
Lecture course dealing with the biochemistry of the enzymes and enzyme reactions. Open to medical and nonmedical students by arrangement. Wed., 4-45 P.M. One hour a week.
- 251 Advanced Biochemistry** du Vigneaud and Staff  
Laboratory and conference course continuing the work of Biochemistry 144. The chemistry of proteins, fats, and carbo-

hydrates; digestion; tissue chemistry; hydrogen-ion concentration; and methods of quantitative analysis are studied in the laboratory. Methods of analysis of urine, blood, gastric contents, and feces which are aids in the diagnosis of diseases and metabolic disturbances are particularly stressed in the laboratory, and the interpretation of the findings by these methods is thoroughly dealt with in the conferences. The conferences are also designed to correlate the laboratory work with the previous semester's lecture work and to present advanced biochemical material. Two hours of conferences and nine hours of laboratory work a week.

- 252 *Chemistry of the Vitamins (elective)* Roe  
One hour a week.
- 253-54 *Biochemical Preparations* The Staff  
Hours and credits to be arranged.
- 255-56 *Biochemical Literature (1-1)* du Vigneaud  
Seminar course on the current literature in the field of biochemistry, mainly for graduate students, but open to a limited number of specially qualified medical students. Hours to be arranged.
- 257-58 *Staff Seminar* The Staff  
Biweekly.
- 259-60 *Research in Biochemistry* du Vigneaud and Staff  
Hours and credits to be arranged.

## DERMATOLOGY AND SYPHILOLOGY

Charles Augustus Simpson, M.D., *Professor of Dermatology and Syphilology, Executive Officer.*

Harry Ford Anderson, M.D., *Associate Professor of Dermatology and Syphilology.*

George William Creswell, A.B., M.D., *Associate in Dermatology and Syphilology.*

Theodore Claremont Chen Fong, M.D., *Clinical Instructor in Dermatology and Syphilology.*

Russell Joseph Fields, B.S., M.D., *Clinical Instructor in Dermatology and Syphilology.*

386 *Clinic* The Staff  
Children's Hospital, one section, one hour a week for five weeks; Emergency Hospital, one section, one and one-half hours twice a week; University Hospital, one section, one hour a week.

387 *Dermatology and Syphilology* Simpson  
Didactic lectures and demonstrations of the most common skin diseases in all their manifestations, and of general and cutaneous syphilis, with special emphasis on its treatment. Two hours a week.

389 *Congenital Syphilis* Simpson, Fields  
Lectures and demonstrations of eye, bone, teeth, and skin changes caused by congenital syphilis, with its treatment. One hour a week for eight weeks.

390 *Neurosyphilis* Fong  
Didactic lectures on the subject of syphilis of the brain and spinal cord, emphasizing especially paresis and tabes, and including treatment. Venereal therapy is also thoroughly discussed. One hour a week for eight weeks.

391 *Syphilis* Fields  
Gallinger Hospital, one section, two hours a week.

477-78 *Dermatology and Syphilology* Fong  
The clinical application of Dermatology and Syphilology 390.  
St. Elizabeths Hospital, one section, two hours a week.

479-80 *Dermatology Clinic* Fields  
Gallinger Hospital, two sections, two hours a week.



## EXPERIMENTAL MEDICINE

Edward Bright Vedder, A.M., M.D., Sc.D., *Professor of Experimental Medicine, Executive Officer.*

**216 Clinical Microscopy**

Vedder

Lectures and laboratory work covering aspects of diagnosis, including the study of urinalysis, blood-counting, blood diseases, feces, spinal fluids, Wassermanns, and parasitology. Three hours a week.

**320 Tropical Medicine (elective)**

Vedder

This course consists of didactic lectures and demonstrations of the more common tropical diseases, with emphasis on their practical application to general medical practice. One hour a week.

**401-2 Problems and Methods in Experimental Medicine**

Vedder

Hours and credits to be arranged.

## MEDICINE

- Walter Andrew Bloedorn, A.M., M.D., *Professor of Medicine, Executive Officer.*
- William Johnston Mallory, A.M., M.D., *Professor of Medicine.*
- Coursen Baxter Conklin, A.M., M.D., *Clinical Professor of Medicine.*
- Frank Adelbert Hornaday, M.S., M.D., *Assistant Professor of Medicine.*
- Charles Robert Lee Halley, A.B., M.D., *Associate in Medicine.*
- John Alton Reed, A.B., M.D., *Associate in Medicine.*
- Watson William Eldridge, M.D., *Associate in Medicine.*
- Herman Solomon Hoffman, A.B., M.D., *Associate in Medicine.*
- John Minor, A.B., M.D., *Associate in Medicine.*
- Maurice Protas, A.B., M.D., *Associate in Medicine.*
- Paul Frederick Dickens, B.S., M.D., *Associate in Medicine.*
- Bernard Lauriston Hardin, Jr., A.B., M.D., *Clinical Instructor in Medicine.*
- Nicholas Athanasiou Mandelos, M.D., *Clinical Instructor in Medicine.*
- Leo T. Brown, M.D., *Clinical Instructor in Medicine.*
- A. Fife Heath, M.D., *Clinical Instructor in Medicine.*
- Harry Filmore Dowling, A.B., M.D., *Clinical Instructor in Medicine.*
- George Louis Weller, Jr., A.B., M.D., *Clinical Instructor in Medicine.*
- Walter Kendall Myers, B.S., M.D., *Clinical Instructor in Medicine.*
- Elmer Wink Fugitt, M.D., *Clinical Instructor in Medicine.*
- Theodore Judson Abernethy, B.S., M.D., *Clinical Instructor in Medicine.*
- Austin Brockenbrough Chinn, M.D., *Clinical Instructor in Medicine.*
- Joseph Francis Elward, Phar.D., M.D., *Clinical Instructor in Radiology.*
- Clayton Bernard Ethridge, M.D., *Clinical Instructor in Medicine.*
- Alfred Pembroke Thom, A.B., M.D., *Clinical Instructor in Medicine.*
- Richard Bernard Castell, A.B., M.D., *Clinical Instructor in Medicine.*
- George Paul Lemeshevsky, A.B., M.D., *Clinical Instructor in Medicine.*

- 122 *Introductory Medical Clinics (elective)*      Bloedorn and Staff  
This course is given as part of a course on introductory medical  
and surgical clinics. Two hours a week.
- 124 *History of Medicine (elective)*      Halley  
One hour a week.

- 262 *Introduction to Physical Diagnosis* Conklin  
Two hours a week.
- 315-16 *Dispensary Clinics* The Staff  
Well-organized group clinical instruction is given in the dispensaries of the University and Emergency Hospitals. The student is assigned cases to be thoroughly studied, and at the conclusion of this study each case is reviewed in its entirety for him. Daily.
- 317-18 *General Medicine* Bloedorn, Mallory, Halley  
A systematic course of lectures designed to cover general aspects of medical disease in all its phases, including therapeutics. Three hours a week.
- 319 *Medical Jurisprudence* Eldridge  
Lectures on the rights and obligations of physicians, both legal and ethical, and on the legal problems with which the physician is brought into contact. One hour a week for eleven weeks.
- 322 *Physiotherapy (elective)* Eldridge  
This course is a series of lectures and demonstrations of the fundamentals of physical treatment and their application to general medical diseases. One hour a week for five weeks.
- 324 *Radiology and Radiotherapy (elective)* Elward  
One hour a week.
- 325-26 *Physical Diagnosis* Conklin and Staff  
This course, which is designed to cover the entire subject of physical diagnosis, consists of section demonstrations and practice on the normal and abnormal subject. Four hours a week.
- 347-48 *Clinical Physiology* Dickens  
This course of lectures and clinics is designed to promote the continuity of the preclinical and laboratory study of physiology and its application to altered function as seen in the clinic; to link the laboratory to the clinic; and to teach the student to interpret the signs and symptoms of disease in terms of altered function. One hour a week.
- 407-8 *Ward Walks* The Staff  
Sections assigned to the University and Emergency Hospitals are taken for ward walks by the visiting physicians and their respective staffs in the course of their usual rounds. The student has an excellent opportunity to observe the actual management of patients. Two sections, one hour three times a week.



409-10 *Clinics*

Bloedorn and Staff

In these clinics the usual as well as the more rare diseases are taken up and discussed from the point of view of etiology, diagnosis, and treatment, with special emphasis upon differential diagnosis and the demonstration of clinical abnormalities as found in the various morbid processes. Gallinger Hospital, four sections, one and one-half hours three times a week.

411-12 *Clinical Clerkship*

Halley, Dowling, and Staff

The student is assigned a case which he is required to work up thoroughly, and, inasmuch as the student's histories are generally accepted for hospital records, he is under strict supervision. Gallinger Hospital, four sections, two and one-half hours three times a week; Emergency Hospital, two sections, two hours three times a week; University Hospital, two sections, two hours three times a week; St. Elizabeths Hospital, one fourth of the class, two hours a week.

413 *Clinical Pathological Conference (elective)*

Bloedorn, Choisser

This course is designed to acquaint the students with the proper correlation of the clinical and post-mortem findings. Cases are described in detail from a clinical point of view, and the post-mortem findings are then thoroughly demonstrated, both grossly and with lantern slides. One hour a week.

## MILITARY SCIENCE AND TACTICS

Samuel Jay Turnbull, M.D., Colonel, Medical Corps, United States Army, *Professor of Military Science and Tactics.*

171-72 *Basic Medical Course*

Turnbull

The National Defense Act of the United States; the mission of the R. O. T. C.; military obligations of citizenship; organization of the Army of the United States; organization of the Medical Department of the Army; military courtesies and customs of the Army; leadership; military sanitation and first aid; map reading; supply and mess management. One hour a week.

271-72 *Combat Training*

Turnbull

Tactics and technique of the separate arms; combat orders and solution of medical problems; service with medical detachments; organization and employment of the Medical Service; map-reading problems. One hour a week.

371-72 *Advanced Medical Course*

Turnbull

Military preventive medicine (physical examinations; relation of food and water to disease; prevention and control of communicable disease); general administration as applied to the Army; Medical Department administration; defense against chemical warfare; medical aspects of chemical warfare; aerial photo reading. One hour a week.

## NEUROLOGY

Walter Freeman, Ph.D., M.D., *Professor of Neurology, Executive Officer.*

James Winston Watts, M.D., *Associate Professor of Neurosurgery.*

Hyman David Shapiro, M.D., *Associate in Neurology.*

Alexander Simon, A.B., M.D., *Clinical Instructor in Neurology.*

- 265 *Neurology (elective)* Freeman  
 Methods of study of the nervous system. Approach to an understanding of the function of the brain through gross and microscopic preparations, embryology, comparative anatomy, stimulation and extirpation, human pathology, etc. Laboratory demonstrations. One hour a week.
- 357 *Neurology* Shapiro  
 Systematic lectures with lantern slides illustrating the chief neurologic syndromes and their anatomic bases. One hour a week for sixteen weeks.
- 359-60 *Neurology (elective)* Freeman and Staff  
 Neurological out-patient clinic. Consultation of Staff on ambulatory cases, demonstration of diagnostic procedures, disposition of neuro-psychiatric cases. One hour a week.
- 445 *Neurosurgery (elective)* Watts  
 Lectures and clinical demonstrations in surgery of the brain, spinal cord, and peripheral nerves. Emphasis is laid upon fundamentals and upon the possibilities of surgery in the relief of symptoms. One hour a week for sixteen weeks.
- 447-48 *Clinical Neurology* Freeman  
 Lectures and demonstrations of patients illustrating the diagnosis and treatment of nervous disorders. The vast material of St. Elizabeths Hospital is drawn upon not only for the commoner disorders, but also for some of the unusual syndromes. One hour a week.
- 449-50 *Neurologic Examinations* Freeman and Staff  
 Practical instruction in the examination of patients presenting nervous diseases. Each student is required to perform a detailed examination on six patients. St. Elizabeths Hospital, one fourth of the class, two hours a week.



## OBSTETRICS AND GYNECOLOGY

- Howard Francis Kane, A.B., M.D., *Professor of Obstetrics and Gynecology, Executive Officer.*
- Radford Brown, M.D., *Professor of Obstetrics and Gynecology.*
- Elijah White Titus, Phar.D., M.D., *Clinical Professor of Obstetrics and Gynecology.*
- Jacob Kotz, M.D., *Clinical Professor of Obstetrics and Gynecology.*
- Henry Laurant Darnier, A.B., M.D., *Clinical Professor of Obstetrics and Gynecology.*
- Herbert Percy Ramsey, A.B., M.D., *Assistant Professor of Obstetrics and Gynecology.*
- William Preston Haynes, A.B., M.D., *Associate in Obstetrics and Gynecology.*
- George Nordlinger, A.B., M.D., *Associate in Obstetrics and Gynecology.*
- William Raymond Thomas, M.D., *Associate in Obstetrics and Gynecology.*
- Joseph Harris, A.B., M.D., *Associate in Obstetrics and Gynecology.*
- Laurence Lee Cockerille, M.D., *Associate in Obstetrics and Gynecology.*
- Clayton Howard Hixson, M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Henry John Russell McNitt, B.S., M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Bernard Notes, M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Helen Gladys Kain, B.S., M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Esther Alsylvia Nathanson, A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Samuel Mayer Dodek, A.M., M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Katherine Elizabeth Parker, A.M., M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Walter Willard Boyd, E.E., M.S., M.D., *Clinical Instructor in Obstetrics and Gynecology.*
- Harry Samuel Douglas, A.B., M.D., *Clinical Instructor in Obstetrics and Gynecology.*

Howard Pope Parker, M.D., *Clinical Instructor in Obstetrics and Gynecology.*

Roger O'Donnell, Jr., M.D., *Clinical Instructor in Obstetrics and Gynecology.*

- 361 *Pregnancy, Normal and Abnormal* Kane, Silvester, Dodek  
Lectures and recitations on the physiology and management of pregnancy and its complications. Two hours a week.
- 362 *Labor, Normal and Abnormal* Kane  
Lectures, recitations, and demonstrations on the mechanism and course of labor and its complications. Three hours a week.
- 363 *Principles and Practice of Gynecology* Brown  
Lectures and recitations on gynecology, medical and surgical. One hour a week.
- 364 *Gynecological Pathology (elective)* Brown  
Lectures on the essentials of gynecological pathology, and demonstrations and study of gross and microscopic material discussed in the lectures. One hour a week for ten weeks.
- 366 *Female Endocrinology* Kotz  
Lectures on the physiology and pathology of the endocrine system in women. One hour a week for six weeks.
- 368 *Operative Gynecology* Darner  
Lectures on the principles of gynecological surgery. One hour a week for six weeks.
- 455-56 *Manikin Demonstrations* Harris  
The mechanism of labor and various types of operative delivery demonstrated to sections of the class throughout the year.
- 457-58 *Clinical Obstetrics* The Staff  
Observation of, and participation in, the work of the pre- and post-natal clinics, on the wards, and in the delivery rooms of the University, Gallinger, Columbia, and Garfield Hospitals.
- 459-60 *Clinical Gynecology* The Staff  
Observation of, and participation in, the work at the out-patient clinics, on the wards, and in the operating rooms of the University, Gallinger, Columbia, and Garfield Hospitals.

## OPHTHALMOLOGY

William Thornwall Davis, M.D., *Professor of Ophthalmology, Executive Officer.*

Ernest Alfred Watson Sheppard, M.D.C.M., *Associate Professor of Ophthalmology.*

George Victor Simpson, M.D., *Assistant Professor of Ophthalmology.*

Edgar Leonard Goodman, M.D., M.M.S., *Clinical Instructor in Ophthalmology.*

Ronald Atmore Cox, A.B., M.D., *Clinical Instructor in Ophthalmology.*

### 396 *Ophthalmology*

Davis and Staff

A lecture course presenting the principles of ophthalmology, with special reference to topics of importance to the general practitioner. Two hours a week for ten weeks.

### 463-64 *Clinic*

Davis and Staff

Intensive training in diseases of the eye: etiology, diagnosis, and treatment in their application to clinical cases. Episcopal Hospital, three hours twice a week.



## OTO-RHINO-LARYNGOLOGY

William Beverley Mason, M.D., *Professor of Oto-rhino-laryngology, Executive Officer.*

Daniel Bruce Moffett, A.B., M.D., *Associate Professor of Oto-rhino-laryngology.*

William Herndon Jenkins, M.D., *Clinical Professor of Oto-rhino-laryngology.*

Leroy Lee Sawyer, Jr., A.B., M.D., *Assistant Professor of Oto-rhino-laryngology.*

David Davis, A.B., M.D., *Associate in Oto-rhino-laryngology.*

Don R. Johnson, LL.B., M.D., *Associate in Oto-rhino-laryngology.*

Aubrey David Fischer, M.D., *Clinical Instructor in Oto-rhino-laryngology.*

Jeter Carroll Bradley, M.D., *Clinical Instructor in Oto-rhino-laryngology.*

Lyman Brooke Tibbets, Phar.D., M.D., *Clinical Instructor in Oto-rhino-laryngology.*

Joel Norton Novick, M.D., M.S.C., *Clinical Instructor in Oto-rhino-laryngology.*

**377-78 Dispensary Clinic** Mason and Staff  
Practical clinical instruction in the diagnosis and treatment of diseases of the ear, nose, and throat. Emergency Hospital, one section daily.

**466 Oto-rhino-laryngology** Jenkins  
Clinical lectures and demonstration of diseases of the ear, nose, and throat; bronchoscopy and esophagoscopy. One hour a week.

**467 Oto-rhino-laryngology** Moffett  
Lectures on the anatomy, physiology, and diseases of the ear, nose, and throat. One hour a week.

**468 Bronchoscopy** Davis  
A series of lectures on the fundamental principles and the use of instruments, including both the bronchoscope and esophagoscope. One hour a week for ten weeks.

**469-70 Clinic** Mason and Staff  
Practical clinical instruction in the diagnosis and treatment of diseases of the ear, nose, and throat. Episcopal Hospital, one section, one and one-half hours twice a week; Gallinger Hospital, one section, one and one-half hours a week.

## PATHOLOGY

Roger Morrison Choisser, B.S., M.D., *Professor of Pathology, Executive Officer.*

Thomas Martin Peery, A.B., M.D., *Assistant Professor of Pathology.*

Elizabeth Mapelsden Ramsey, A.B., M.D., *Associate in Pathology.*

Luther Henry Snyder, A.B., M.D., *Instructor in Pathology.*

### 218 *Pathology*

Choisser, Peery, Snyder

A course covering inflammation, repair, degenerations, the effects of bacteria and animal parasites on the body, the effects of chemical and physical agents, the formation of new growths, etc., followed by special pathology of the organs and specific diseases. The laboratory work consists primarily of the gross and microscopic study of diseased tissues, including neoplasms. Necropsies performed by members of the Staff are held regularly at the University and Gallinger Hospitals; the clinicians and pathologists participate in the discussions and elucidation of the findings.

### 307 *Autopsy (elective)*

The Staff

Small groups of students are called from time to time to assist members of the Staff in the performance of necropsies held at the University and Gallinger Hospitals. Pathological conferences are held once a week, at which time fresh gross specimens and microscopic sections from each autopsy are presented and discussed by both students and members of the Staff. Students are assigned in rotation to review current literature relating to cases presented.

### 403-4 *Clinical Pathological Conferences (elective)*

Choisser

Case histories are presented and discussed by members of the hospital Staff. Autopsy and clinical findings are compared, and specimens are demonstrated and examined by all present. One hour a week.

### 405 *Research*

Choisser

Hours and credits to be arranged.

## PEDIATRICS

- Harry Hampton Donnally, A.M., M.D., *Professor of Pediatrics, Executive Officer.*
- Preston Alexander McLendon, B.S., M.D., *Assistant Professor of Pediatrics.*
- Charles Aurelius Schutz, A.B., M.D., *Assistant Professor of Pediatrics*
- Edward Lewis, M.D., *Assistant Professor of Pediatrics.*
- Margaret Mary Nicholson, A.B., M.D., *Associate in Pediatrics.*
- Elizabeth Emery Chickering, A.B., M.D., *Associate in Pediatrics.*
- Aaron Nimetz, A.B., M.D., *Clinical Instructor in Pediatrics.*
- James Alfred Rolls, A.B., M.D., *Clinical Instructor in Pediatrics.*
- William Staton Anderson, A.B., M.D., *Clinical Instructor in Pediatrics.*
- Mabel Harlakenden Grosvenor, A.B., M.D., *Clinical Instructor in Pediatrics.*

### 337-38 *Pediatrics*

Schutz

A course of lectures on diseases and malformations of the newly born. Growth (mental and physical), metabolism, nutrition, nutritional diseases, therapeutics, habits, preventive pediatrics, and social aspects are considered. One hour a week in the first semester and for eight weeks in the second.

### 341-42 *Child-Welfare and Preventive Clinic*

Schutz

Clinical course in the infant and the preschool child. Children's Hospital, Child Welfare Center, one section, one hour a week.

### 343-44 *Dispensary Clinic*

Lewis, Nicholson, Chickering,  
Nimetz, Anderson, Grosvenor

Clinical course in the out-patient department, including minor to serious disorders of children. This course will deal with the problems. Children's Hospital, one section, one and one half hours three times a week.

### 427-28 *Clinic*

Donnally

Teaching clinic. Children's Hospital, entire class, one and one-fourth hours a week.

### 429-30 *Clinical Clerkship*

Donnally, McLendon, Nicholson,  
Nimetz, Chickering, Anderson, Grosvenor

Ward walks, physical diagnosis in children, special pediatric



procedures, bedside instruction in contagious diseases, individual isolation, clinical laboratory and necropsy instruction, diagnosis and treatment of urgent cases. Children's Hospital, one fourth of the class, three hours three times a week.

431-32 *Contagious-Disease Clinic*

Grosvenor

Bedside instruction in scarlet fever. Gallinger Hospital, one fourth of the class, one hour a week.

433-34 *Contagious-Disease Clinic*

Rolls

Bedside instruction in diphtheria. Gallinger Hospital, one fourth of the class, one hour a week.

435 *Clinic*

Chickering

Clinical instruction in the care of the newly born, congenital malformations, birth injuries, and prematurity. Gallinger Hospital, one fourth of the class, one hour a week.

437-38 *Allergy Clinic (elective)*

Donnelly

Prerequisite: Bacteriology 200. Practical work in the Allergy Clinic of Children's Hospital may be obtained by a small group of students selected, on the basis of scholarship and special fitness, from among seniors who apply. Two afternoons a week.

## PHARMACOLOGY AND THERAPEUTICS

George Byron Roth, A.B., M.D., *Professor of Pharmacology, Executive Officer.*

\_\_\_\_\_, *Assistant Professor of Pharmacology.*

Phoebe Jeannette Crittenden, Ph.D., *Instructor in Pharmacology.*

- 230 *Pharmacology* Roth and Staff  
This course consists of laboratory instruction covering both the chemical nature and the biological effects of drugs. Five hours a week.
- 231 *Fundamentals of Pharmacology (elective)* Roth  
One hour a week.
- 232 *Pharmacology* Roth  
A didactic course, supplemented by demonstration, which correlates the most prominent facts relating to the more important therapeutic agents, special consideration being given to the drugs found in the *United States Pharmacopoeia* and *New and Nonofficial Remedies*. Three hours a week.
- 234 *Pharmacology Conference (elective)* Roth and Staff  
One hour a week.
- 236 *Prescription Writing* Roth  
Sixteen one-hour conferences on the form of the prescription, with practical exercises.
- 311-12 *Therapeutics* The Staff  
Lectures, conferences, and demonstrations on the clinical uses of drugs. One hour a week in the first semester and for twelve weeks in the second.
- 313 *Therapeutics Seminar (elective)* Roth  
One hour a week.
- 314 *Research* Roth and Staff  
Hours and credits to be arranged.

## PHYSIOLOGY

Errett Cyril Albritton, A.B., M.D., *Professor of Physiology, Executive Officer.*

Chester Elwood Leese, Ph.D., *Associate Professor of Physiology.*

Alma Fogelberg, Ph.D., *Instructor in Physiology.*

Robert Custis Grubbs, M.S., M.D., *Instructor in Physiology.*

### 115 *Physiology* (3)

Leese

Lectures covering the fundamentals of physiology in its various subdivisions. Prerequisite: one year of general science or one semester of a biological science. Section A: Tues., Thurs., and Sat., 9.10 A.M.; section B: Tues. and Thurs., 5 to 6.25 P.M.

### 117 *Physiology* (1)

Fogelberg, Grubbs

Laboratory exercises in the fundamentals of physiology. Prerequisite: Physiology 115 or its equivalent. The two, 115 and 117, may be taken concurrently. Sat., 10.10 A.M. to 1 P.M.

### 118 *Physiology*

Albritton and Staff

An intensive didactic survey of the various subdivisions of vertebrate physiology, drawing heavily on prerequisite work in physics, biology, and chemistry, and establishing the concept of physiology as a science made up of variables and their causal interrelationships. Two hours a week.

### 219 *Experimental Physiology*

Albritton and Staff

Laboratory work, with conferences and advanced lectures. In the laboratory the student is given first a period of basic training in physiological techniques. He is then offered a wide variety of simple problems, each involving the demonstration of a causal relationship between two functional variables. Problems are taken from current literature and earlier sources and cover the usual subdivisions of laboratory study, including mammalian work. Training in experimental method is emphasized, and rigorous standards of proof are maintained. Two hours of lectures and nine hours of laboratory work a week.

### 221-22 *Introduction to Research* (3-3)

Hours to be arranged.

Albritton and Staff

### 223 *Physiology Conference* (elective)

One hour a week.

The Staff



225 *Seminar (elective)*

Albritton

Lectures upon the judgment of evidence in medical investigation, including testing of the significance of a result. One hour a week.

227-28 *Research*

Albritton and Staff

Hours and credits to be arranged.

229 *Physiology of the Emotions (elective)*

Leese

Lectures upon the genesis and expression of the emotions from a physiological point of view. One hour a week.

## PSYCHIATRY

Winfred Overholser, A.B., M.D., *Professor of Psychiatry, Executive Officer.*

Roscoe Willis Hall, Ph.B., M.D., *Clinical Professor of Psychiatry.*

John Edward Lind, M.D., *Clinical Professor of Psychiatry.*

Paul Jacob Ewerhardt, M.D., *Clinical Instructor in Psychiatry.*

Harriet Elizabeth Twombly, A.B., M.D., *Clinical Instructor in Psychiatry.*

Addison McGuire Duval, M.D., *Clinical Instructor in Psychiatry.*

Winfred Richmond, Ph.D., *Clinical Instructor in Psychiatry.*

Samuel Alexander Silk, Ph.D., M.D., *Clinical Instructor in Psychiatry.*

Alice Heyl Kiessling, A.B., M.D., *Clinical Instructor in Psychiatry.*

Edgar Deucher Griffin, A.B., M.D., *Clinical Instructor in Psychiatry.*

136 *Introductory Medical Psychology (elective)* Lind

The theoretical and practical aspects of the constitution, character, and personality as related to Medicine; the psychological features in various diseases, with special attention to the patient's personality; the different types of character development and their special ways of adaptation. One hour a week.

246 *Organic Psychopathology (elective)* Hall

The common organic-reaction types, illustrated with suitable case presentations. One hour a week.

352 *Psychiatry*

Overholser

A course on the major psychoses, illustrated by the presentation of clinical material and utilized for the purpose of explaining the fundamental psychological mechanisms involved. St. Elizabeths Hospital, one hour a week.

354 *Personality Adjustments*

Ewerhardt

Maladaptations occurring in childhood and youth. One hour a week for eight weeks.

441-42 *Ward Work*

The Staff

The personal examination of the various types of psychosis and the writing by the student of a formal report of the mental examination, followed by a review of the cases with an instructor. St. Elizabeths Hospital, two hours a week.

443-44 *Psychoneurosis*

Lind

A course on the descriptive aspects, the etiology, the psychopathology, and the treatment of the various psychoneuroses. St. Elizabeths Hospital, one hour a week for twelve weeks.

451 *Personality Profiles*

Richmond

Utilization of psychological testing methods for the purpose of determining individuals' limitations and special capacities. St. Elizabeths Hospital, one hour a week for four weeks.



## SURGERY

- Charles Stanley White, M.D., *Professor of Surgery, Executive Officer.*  
 Daniel LeRay Borden, A.M., M.D., *Associate Professor of Surgery.*  
 Harry Hyland Kerr, M.D.C.M., *Clinical Professor of Surgery.*  
 Paul Stirling Putzki, M.D., *Clinical Professor of Surgery.*  
 Arch Lockhart Riddick, A.B., M.D., *Clinical Professor of Surgery.*  
 William Berry Marbury, M.D., *Clinical Professor of Surgery.*  
 Custis Lee Hall, M.D., *Clinical Professor of Surgery.*  
 John Hugh Lyons, M.S., M.D., *Assistant Professor of Surgery.*  
 Herbert Hermann Schoenfeld, M.D., *Assistant Professor of Surgery.*  
 William Warren Sager, M.S., M.D., *Assistant Professor of Surgery.*  
 Cline N. Chipman, M.D., *Associate in Anesthesia.*  
 Guy Whitman Leadbetter, B.S., M.D., *Associate in Surgery.*  
 Benjamin Franklin Dean, Jr., A.B., M.D., *Associate in Surgery.*  
 Alec Horwitz, M.S., M.D., *Associate in Surgery.*  
 Charles Wilbur Hyde, M.D., *Clinical Instructor in Anesthesia.*  
 Francis George Speidel, M.D., *Clinical Instructor in Anesthesia.*  
 Philip Oscar Pelland, M.D., *Clinical Instructor in Surgery.*  
 Stewart Maxwell Grayson, M.D., *Clinical Instructor in Surgery.*  
 Nathan Norman Smiler, M.D., *Clinical Instructor in Surgery.*  
 Richard Knight Thompson, D.D.S., *Clinical Instructor in Dental Surgery.*  
 Edward Alexander Cafritz, M.D., *Clinical Instructor in Surgery.*  
 Hazen Eugene Cole, B.S., M.D., *Clinical Instructor in Surgery.*  
 Crenshaw Douglas Briggs, B.S., M.D., *Clinical Instructor in Surgery.*  
 William Wiley Chase, A.B., M.D., *Clinical Instructor in Surgery.*  
 Julius Salem Neviasser, A.B., M.D., *Clinical Instructor in Surgery.*  
 James Lloyd Collins, A.B., M.D., *Clinical Instructor in Surgery.*  
 William Ross Morris, M.D., *Clinical Instructor in Surgery.*  
 Arthur James Mourot, B.S., M.D., *Clinical Instructor in Surgery.*

126 *Introductory Surgical Clinics (elective)*      White and Staff  
 Obvious and classical cases are presented to the students, whose  
 background of the structure of the body serves to give them  
 an understanding of the cases. Two hours a week.

**327-28 General Surgery**

Borden

Course of lectures and recitations covering surgical diseases of the neck and chest, herniae, amputations, and pre- and post-operative treatment. One hour a week for twenty-eight weeks.

**329 Anesthesia (elective)**

Chipman

Theoretical and practical instruction is given in the use of general and local anesthetic agents. One hour a week for nine weeks.

**331-32 Dispensary Clinic**

The Staff

Dispensary instruction in the principles and practice of Surgery. Instruction of small groups is given in General Surgery and the specialties, including anesthesia, neurosurgery, orthopedics, proctology, and oral surgery. University Hospital, one section, two and one-half hours daily; Emergency Hospital, one section, one and one-half hours daily; Children's Hospital, one section, one and three-fourths hours a week.

**333-34 General Surgery**

White, Putzki, Riddick

Course of lectures and recitations covering Surgery as applied to the neck, thorax, gastro-intestinal tract, and the bones and skeletal muscles. One hour a week.

**339-40 Fractures and Dislocations**

Leadbetter

One hour a week for twenty-three weeks.

**345-46 Surgical Technique**

Marbury

This course comprises a series of demonstrations of surgical instruments and appliances, with a practical demonstration of their uses. The preparation of the patient, the operating room, the materials commonly used, and the duties of each member of an operating team are carefully presented, with the detailed consideration of minor operations and the post-operative management and complications. As far as possible, the lectures will be supplemented by clinical application. One hour a week for twenty weeks.

**414 Surgical Pathological Conference (elective)**

Briggs and Staff

Students who elect this conference will be presented with selected surgical cases. After clinical discussion of the cases, the pathological material, both gross and microscopic, will be shown. One hour a week.

**416 Orthopedics (elective)**

Hall

The course includes the etiology, pathology, symptomatology, and treatment of congenital and acquired diseases of the bones and joints, and the clinical instruction in treatment and in the

use of appliances for the correction of deformities. One hour a week for sixteen weeks.

417-18 *Private Practice of Surgery (elective)* White and Staff  
Students who elect this course will be given instruction in the private offices of various members of the staff, where they may observe the private practice of surgery.

419-20 *General Surgery* White  
One hour a week.

421-22 *Surgical Clinic* White and Staff  
Demonstration to the entire class of the various surgical diseases, with stress upon the differential diagnosis and pre- and post-operative care. University Hospital, two hours a week for thirty-two weeks; Gallinger Hospital, four sections, one and one-half hours twice a week for sixteen weeks and one hour a week for sixteen weeks; Emergency Hospital, one hour three times a week; University Hospital, one hour three times a week.

423-24 *Ward Walks* The Staff  
Well-organized group ward-rounds are made with the visiting physicians and their respective staffs in the course of their usual rounds. Emergency Hospital, one hour three times a week; University Hospital, one hour three times a week.

425-26 *Clinical Clerkship* The Staff  
The students are assigned and required to work up thoroughly the cases for diagnosis and treatment. Gallinger Hospital, two and one-half hours three times a week; Emergency Hospital, two sections, two hours three times a week; University Hospital, two sections, two hours three times a week; St. Elizabeths Hospital, one fourth of the class, two hours a week.

439-40 *Special Problems in Surgery (elective)* The Staff  
This course is devoted to general surgical diagnosis, with special emphasis on the diagnosis and differential diagnosis of surgical diseases and post-operative complications. One hour a week.



## UROLOGY

Francis Randall Hagner, M.D., *Professor of Urology, Executive Officer.*  
Frederick August Reuter, M.D., *Clinical Professor of Urology.*  
Homer Gifford Fuller, Ph.B., M.D., *Clinical Professor of Urology.*  
Thomas Carlton Thompson, B.S., M.D., *Associate Professor of Urology.*  
Alan Jeffries Chenery, M.D., *Associate in Urology.*  
Charles Perry Howze, M.D., *Associate in Urology.*  
Gilbert Ottenberg, A.M., M.D., *Clinical Instructor in Urology.*  
William Glenn Young, M.D., *Clinical Instructor in Urology.*

- 381-82 *Clinics* Reuter and Staff  
Clinical demonstration and teaching in the dispensary, with special attention given to venereal cases. Emergency and University Hospitals, one part of each section daily.
- 471-72 *Urology* Thompson  
A systematic course of lectures covering the entire field of urology, including diagnosis, treatment, and morbid pathology. One hour a week.
- 473-74 *Clinics* Hagner, Fuller, Chenery, Thompson, Howze  
Clinical teaching and demonstrations on the care of urological cases, with special emphasis on the pre- and post-operative management. Gallinger Hospital, one hour a week for twenty-eight weeks. Operative clinics and clinical teaching, including cystoscopy and the use of instruments. Garfield Hospital and Children's Hospital, one eighth of the class, one and one-half hours a week.
- 476 *Urology Seminar (elective)* Reuter  
Special problems, technique, and instrumentation in genitourinary diseases. One hour a week.

# SCHEDULE OF CLASSES

1938-39

FIRST YEAR

FIRST SEMESTER

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-10						
10-11	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy
11-12						
12-1						
1-2						Microscopic and Tissues (lectures)
2-3	Histology and Embryology	Histology and Embryology	Histology and Embryology	Histology and Embryology	Histology and Embryology	
3-4						

FIRST YEAR  
SECOND SEMESTER

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-10	Regional Anatomy	Psychology	Regional Anatomy	History of Medicine (elective)	Regional Anatomy	Bacteriology Seminar (elective)
10-11		Bacteriology		Bacteriology		
11-12	Pathology	Medical Physiology (elective)	Bacteriology	Microbiology (elective)	Bacteriology	Introduction to Medical and Surgical Clinics (elective)
12-4						Lectures
1-2	Bacteriology Laboratory		Bacteriology Laboratory		Bacteriology Laboratory	
2-3						
3-4			Introduction to Community Health and Sanitation Lecture 3:30 - 4:30			
4-5						



# SECOND YEAR

## FIRST SEMESTER

DATE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-10	Immunology (lective)	Immunology	Military Science and Tactics (lective)	Physiology	Physiology (lective)	
10-11	Physiology (lective)	Physiology	Social Anatomy	Physiology (lective)	Physiology (lective)	
11-12	Physiology	Physiology	Physiology Seminar (lective)	Physiology Laboratory	Physiology	Physiology
12-13						Neurology (lective)
1-2						
2-3	Physiology Laboratory	Physiology (lective)	Physiology Laboratory		Physiology Laboratory	
3-4		Microbiology (lective)				
4-5						

SECOND YEAR  
SECOND SEMESTER

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pharmacology	Prescription Writing	Pharmacology	Pharmacology (Conference, elective)	Pharmacology	
10-11	Pathology	Pathology	Pathology	Physical Diagnosis	Pathology	Clinical Microscopy Laboratory
11-12	Hygiene	Psychopathology (elective)	Hygiene		Chemistry of the Vitamins (elective)	
12-1						Minor Science and Topics (elective)
1-2						
2-3	Pathology Laboratory	Pharmacology Laboratory	Pathology Laboratory	Pharmacology Laboratory	Pathology Laboratory	
3-4						
4-5						

THIRD YEAR  
FIRST SEMESTER

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Medicine	Surgery	Preventive Medicine	Medicine	Therapeutics Seminar (elective)	Neurology
9-10	Obstetrics	Surgical Technique	Gynecology	Pediatrics	Obstetrics	Preventive Medicine
10-11	Surgery	Medicine	Surgery	Therapeutics	Clinical Physiology	Congenital Syphilis*
11-12	Dispensary†	Dispensary†	Dispensary†	Dispensary†	Dispensary†	Dispensary†
1-2						
2-4	Physical Diagnosis (clinic)	Anesthesia (10 weeks) (elective)	Anatomy (elective)	Medical Jurisprudence (11 weeks)	Physical Diagnosis (clinic)	Neurology (elective)
3-4		Pharmacology and Symbology		Pharmacology and Symbology		
4-5				Military Science and Tactics (elective)		

\* See section schedule No. 2

† For Dispensary schedule, see section schedule No. 1



# THIRD YEAR

## SECOND SEMESTER

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Medicine	Surgery (12 weeks)	Ophthalmology	Medicine	Clinical Physiology	Ophthalmology
9-10	Obstetrics	Obstetrics and Gynecology	Surgical Technique (4 weeks) Gynecology and Pathology (10 weeks, relative)	Tropical Medicine (relative)	Pediatrics (8 weeks)	Surgical Anatomy (relative)
10-11	Surgery	Medicine	Surgical Anatomy (relative)	Therapeutics (12 weeks)	Radiology (relative)	Obstetrics and Gynecology
11-12						
12-1	Dispensary*	Dispensary*	Dispensary*	Dispensary*	Dispensary*	Dispensary*
1-2						
2-3	Physical Diagnosis (clinical)		Surgery (7 weeks)	Physiology (3 weeks, relative)	Physical Diagnosis (clinical)	Neurology (relative)
3-4		Neurology (18 weeks)		Physiology (3 weeks)		
4-5		Pathology		Physiology (3 weeks)		

\* For Dispensary schedule, see section schedule No. 1.

FOURTH YEAR  
FIRST SEMESTER

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9		Chinese (10:11:30)				
9-10						
10-11	Class (10:11:30)		Class (10:11:30)	Class (10:11:30)	Class (10:11:30)	Class (10:11:30)
11-12		Supper		Class (10:11:30)	Class (10:11:30)	Class (10:11:30)
12-1		Class		Class (10:11:30)	Class (10:11:30)	Class (10:11:30)
1-2						
2-3	Class	Class	Class	Class	Class	Class
3-4						
4-5						

Note: For those would attend the department will be excused from all classes and films to be as provided by the Department of Chinese and Japanese.

FOURTH YEAR  
SECOND SEMESTER

Hours	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9		Oto-rhino-laryngology		Public Health		
9-10		Bronchoscopy (1st week)		Orthopedic Surgery (elective)		Surgery Clinic
10-11	Clinics	Surgery	Clinics	Special Problems in Surgery (elective)	Clinics	Urology
11-12		Clinics		Urology Seminar (elective)		Surgical Pathological Conference (elective)
12-1						
1-2						
2-3	Clinics	Clinics	Clinics	Clinics	Clinics	
3-4						
4-5						

NOTE.—For three weeks of each period one section will be excused from all classes and clinics, to be assigned to the Department of Obstetrics and Gynecology.



# THIRD-YEAR SECTION SCHEDULES

SECTION SCHEDULE No. 1

1ST PERIOD	2D PERIOD	3D PERIOD	4TH PERIOD	5TH PERIOD	6TH PERIOD
Children's, Well-baby Clinic, W. 11:30-12:30; Orthopedics, F., 11:15-1	Emergency, 11:30-12:30 -2	Emergency, daily, 12:30-2 -2		Children's, Pediatrics, M. W. Th., 1:2-3:30	University, M. W. Th., F. S., 11:30-2
Emergency, M. W. Th. F. S., 11:30-2	Children's, Well-baby Clinic, W. 11:30-12:30; Orthopedics, F., 11:15-1	Emergency, daily, 11:30-2 -2	Emergency, daily, 12:30-2 -2		Children's, Pediatrics, M. W. Th., 1:2-3:30
Children's, Pediatrics, M. W. Th., 1:2-3	University, M. W. Th. F. S., 11:30-2	Children's, Well-baby Clinic, W. 11:30-12:30; Orthopedics, F., 11:15-1	University, daily, 11:30-2 -2	Emergency, daily, 12:30-2 -2	
	Children's, Pediatrics, M. W. Th., 1:2-3:30	University, M. W. Th. F. S., 11:30-2	Children's, Well-baby Clinic, W. 11:30-12:30; Orthopedics, F., 11:15-1	University, daily, 11:30-2 -2	Emergency, daily, 12:30-2 -2
Emergency, daily, 11:30-2 -2		Children's, Pediatrics, M. W. Th., 1:2-3:30	University, M. W. Th. F. S., 11:30-2	Children's, Well-baby Clinic, W. 11:30-12:30; Orthopedics, F., 11:15-1	University, daily, 11:30-2 -2
Emergency, daily, 11:30-2 -2	Emergency, daily, 11:30-2 -2		Children's, Pediatrics, M. W. Th., 1:2-3:30	University, M. W. Th. F. S., 11:30-2	Children's, Well-baby Clinic, W. 11:30-12:30; Orthopedics, F., 11:15-1

# SECTION SCHEDULE No. 2

SATURDAY, 12 AM-12 M.

S.C.	OCT. 4, 5 AND 15	OCT. 22 AND 29	NOV. 5, 12, AND 19	DEC. 3 AND 10	DEC. 17 AND JAN. 7	JAN. 14 AND 21
1	Gallinizer, Congenital Septic.					
2			Gallinizer, Congenital Septic.			
3					Gallinizer, Congenital Septic.	
4		Gallinizer, Congenital Septic.				
5				Gallinizer, Congenital Septic.		
6						Gallinizer, Congenital Septic.

Monday, Wednesday, and Friday

No.	1st PERIOD	2d PERIOD	3d PERIOD	4th PERIOD	5th PERIOD	6th PERIOD	7th PERIOD	8th PERIOD
1	Gardner * 9-4	Gardner * 9-5	Gardner * 9-5	Gardner * 9-5	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4
2	Gardner * 9-5	Gardner * 9-5	Gardner * 9-5	Gardner * 9-5	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4
3	Gardner * 9-5	Gardner * 9-5	Gardner * 9-5	Gardner * 9-5	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4
4	Gardner * 9-5	Gardner * 9-5	Gardner * 9-5	Gardner * 9-5	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4
5	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4
6	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4
7	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4
8	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4	Immerberg * 9-1 Children * 1-10-4

\* See column 1, tables Nos. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512,

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**SECTION SCHEDULE No. 2**  
**GALLINGER MUNICIPAL HOSPITAL**

Hours	Monday	Wednesday	Friday
9-10:30	Medical Clinic	Medical Clinic	Medical Clinic
10:30-11:15	Surgery	Obstetrics and Gynecology	Surgery
11:15-12:30	Obstetrics and Gynecology Pediatrics (2 sections for 8 weeks)	Urology (see section schedule No. 4)	Surgery
1-4:30	Clinical Clerkship and Laboratory (Medicine)	Clinical Clerkship and Laboratory (Surgery)	Clinical Clerkship and Laboratory (Medicine)
4:30-5:30	Lectures on Contagious Diseases		

## SECTION SCHEDULE No. 3

TUESDAY

SEC.	1ST PERIOD	2D PERIOD	3D PERIOD	4TH PERIOD	5TH PERIOD	6TH PERIOD	7TH PERIOD	8TH PERIOD
1-8	Children's: 11.15-12.10 Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Children's: 11.15-12.10 Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Children's: 11.15-12.10 Garfield: Urology, 11.10-1	Children's: 11.15-12.10	Children's: 11.15-12.10	Children's: 11.15-12.10	Children's: 11.15-12.10	Children's: 11.15-12.10
1	Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Garfield: Urology, 11.10-1				Episcopal: Ophthalmology, 11.15-12.10	Episcopal: Otolaryngology, 12.30-4
2	Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Garfield: Urology, 11.10-1				Episcopal: Otolaryngology, 12.30-4	Episcopal: Ophthalmology, 1.15-4
3	Garfield: Urology, 11.10-1		Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Episcopal: Ophthalmology, 1.15-4	Episcopal: Otolaryngology, 12.30-4		
4		Garfield: Urology, 11.10-1	Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Episcopal: Otolaryngology, 12.30-4	Episcopal: Ophthalmology, 1.15-4		
5			Episcopal: Ophthalmology, 1.15-4	Episcopal: Otolaryngology, 12.30-4	Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Garfield: Urology, 11.10-1	
6			Episcopal: Otolaryngology, 12.30-4	Episcopal: Ophthalmology, 1.15-4	Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Clinical Physical: 12.10-1.30 OBY. 1.30-3.30		Garfield: Urology, 11.10-1
7	Episcopal: Ophthalmology, 1.15-4	Episcopal: Otolaryngology, 12.30-4			Garfield: Urology, 11.10-1		Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Clinical Physical: 12.10-1.30 OBY. 1.30-3.30
8	Episcopal: Otolaryngology, 12.30-4	Episcopal: Ophthalmology, 1.15-4			Garfield: Urology, 11.10-1		Clinical Physical: 12.10-1.30 OBY. 1.30-3.30	Clinical Physical: 12.10-1.30 OBY. 1.30-3.30

# SECTION SCHEDULE No. 4

GALLINGER HOSPITAL : WEDNESDAY, 11.30 A.M.-12.30 P.M.

Ser.	1st PERIOD	2d PERIOD	3d PERIOD	4TH PERIOD	5TH PERIOD	6TH PERIOD	7TH PERIOD	8th PERIOD
1		Urinary	Urinary	Urinary				
2	Urinary		Urinary	Urinary				
3	Urinary	Urinary		Urinary				
4	Urinary	Urinary	Urinary					
5						Urinary	Urinary	Urinary
6					Urinary		Urinary	Urinary
7					Urinary	Urinary		Urinary
8					Urinary	Urinary	Urinary	



SECTION SCHEDULE No. 5  
EMERGENCY HOSPITAL : MONDAY, WEDNESDAY, AND FRIDAY

Sr.	Hours	1st PERIOD	2d PERIOD	3d PERIOD	4th PERIOD	5th PERIOD	6th PERIOD	7th PERIOD	8th PERIOD
5	9-10	Medicine Ward Walk			Surgery Ward Walk				
6	9-10	Surgery Ward Walk			Medicine Ward Walk				
5	10-12	Medicine Clinical Clerkship			Surgery Clinical Clerkship				
6	10-12	Surgery Clinical Clerkship			Medicine Clinical Clerkship				
5-6	12-1	Medical Clinic *							
1	9-10					Medicine Ward Walk			
2	9-10					Surgery Ward Walk			Surgery Ward Walk
1	10-12					Medicine Clinical Clerkship			Medicine Ward Walk
2	10-12					Surgery Clinical Clerkship			Surgery Clinical Clerkship
1-2	12-1					Medicine Clinical Clerkship			Medicine Clinical Clerkship
						Medical Clinic *			

\*Monday and Wednesday only.

# SECTION SCHEDULE No. 6

UNIVERSITY HOSPITAL : MONDAY, WEDNESDAY, AND FRIDAY

SEC.	HOURS	1ST PERIOD	2D PERIOD	3D PERIOD	4TH PERIOD	5TH PERIOD	6TH PERIOD	7TH PERIOD	8TH PERIOD
7	9-10	Clinical Clerkship	Medicine Clinical Clerkship	Clinical Clerkship	Surgery Clinical Clerkship				
8	9-10	Clinical Clerkship	Surgery Clinical Clerkship	Medicine Clinical Clerkship					
7	10-12	Medicine Ward Walk	Medicine Ward Walk	Surgery Ward Walk					
8	10-12	Surgery Ward Walk	Surgery Ward Walk	Medicine Ward Walk					
8	12-1	Medical and Surgical Clinic							
1	9-10					Medicine Clinical Clerkship		Surgery Clinical Clerkship	
4	9-10					Surgery Clinical Clerkship		Medicine Clinical Clerkship	
3	10-12					Medicine Ward Walk		Surgery Ward Walk	
4	10-12					Surgery Ward Walk		Medicine Ward Walk	
1	12-1					Medical and Surgical Clinic			

# SECTION SCHEDULE No. 7

ST. ELIZABETHS HOSPITAL : THURSDAY, 1-5 P.M.

SE	HOURS	1ST PERIOD	2D PERIOD	3D PERIOD	4TH PERIOD	5TH PERIOD	6TH PERIOD	7TH PERIOD	8TH PERIOD
1-2	1-3	Neurology		Medicine	Surgery		Psychiatric Examinations		
3-4	1-3			Psychiatric Examinations		Neurology	Medicine	Surgery	
5-6	1-3	Medicine	Surgery	Neurology		Psychiatric Examinations			
7-8	1-3			Psychiatric Examinations		Medicine	Surgery	Neurology	
Private class	3-4					Neurology (20 hours)			
Extemporaneous	4-5					Psychiatry (12 week)			





# DEGREES CONFERRED

1937

## DOCTOR OF MEDICINE

JUNE 9, 1937

Barah Carrera, Manuel M. A.B. 1934, The George Washington University	P.R.	Kernan, Paul Chapman Katie Smith, Hayden B.S. 1937, University of the South	D.C. Calif.
Bathum, Glenn Lewis B.S. 1936, A.M. 1931, The George Washington University	Calif.	Kostecki, Walter Andrew B.S. 1931, Tufts College	Mass.
Sc.D. 1937, Johns Hopkins University		Kalmer, Elizabeth Yarb Lapenta, Roscoe George B.S. 1933, Lafayette College	Ohio Conn.
Bedell, Harold B.S. 1933, Alfred University	N.J.	Larkey, Irving Gilbert A.B. 1934, The George Washington University	N.J.
Buch, Catharine A.B. 1932, The George Washington University	D.C.	Lamber, Carl Raymond B.S. 1933, Thiel College	Pa.
Buene, John Rogers A.B. 1934, University of Utah	Utah	Lockett, William Fleet B.S. 1933, Franklin and Marshall College	D.C.
Budy, Edwin Richard Bryant, Robert Murray, Jr. Clapp, Stewart Clum, John Philip A.B. 1933, The George Washington University	Ohio Va. Md. Md.	Madden, John Patrick Leo May, Angel, Mayer, Jr. A.B. 1933, Stanford University	D.C. Calif.
Cookley, Charles Seymour Cooper, Corinne A.B. 1928, The George Washington University	D.C. Md.	Menke, Blaine Herman A.B. 1932, The George Washington University	Nev.
Craft, Harold Albert B.S. 1926, Pennsylvania State College M.S. 1930, The George Washington University	D.C.	Melan, John F. B.S. 1936, University of Pittsburgh	Pa.
Crampin, Alexander Berkeley Cravens, Mary Joe B.S. 1933, The George Washington University	Calif. D.C.	Morganster, Philip A.B. 1934, The George Washington University	N.Y.
Dean, Harry B.S. 1931, College of the City of New York	N.Y.	Noter, John Alfred B.S. 1935, Dickinson College	D.C.
Dunbar, Sebastian Augustus Eaton, Julius Robert Eggen, John Edworth A.B. 1934, The George Washington University	Pa. D.C. D.C.	O'Leary, Leslie Sol A.B. 1932, The George Washington University	D.C.
Farrow, R. Reed White A.B. 1934, University of Utah	Utah	Potts, Joseph Alexander Prevot, Samuel Bradley B.S. 1936, Pacific University	N.I. Ill.
Farrall, Frank Washington B.S. 1933, St. John's University (N.Y.)	N.Y.	Quinn, Richard Simon Rex, Louis Risher, Cecil A.B. 1933, The George Washington University	P.R. N.Y. D.C. N.Y.
Farrall, George Raymond Gibbs, William Lawrence A.B. 1934, Emory University	Md. Ga.	Rucker, Nathan Sabin, Michael L. A.B. 1933, The George Washington University	N.Y. N.Y.
Gibbs, Robert Ford Giles, Raymond Joseph A.B. 1934, Cornell University	D.C. N.J.	Sadler, Donald Reginald A.B. 1933, The George Washington University	D.C.
Greene, Edwin Chase B.S. 1933, Alfred University	N.Y.	Seaton, Myrtle Margaret Spier, Richard Harding Singer, Sylvia Adolph Sisson, Fredrick Daniel Tall, Axel B.S. 1936, University of Idaho	Pa. D.C. D.C. N.C. Idaho
Holmes, Earl (With distinction)	D.C.	Tanner, Vernon V. Wink, Irving White	Pa. D.C.
Harner, Dick Chenoweth	D.C.	Wansch, Joseph John	Pa.





# STUDENTS REGISTERED

1937-38

The names of all students registered in the School of Medicine during the academic year 1937-38 are listed below in alphabetical order. Roman numerals indicate the year of the course in which the student is registered. Students who were registered for the first semester only are indicated by a dagger (†).

A		C	
Adams, George Alton (Med. I)	Pa.	Canella, Joseph Vincent (Med. II)	Conn.
A.B. 1937, Marquette College		A.B. 1937, The George Washington University	
B		Christians, William Stales (Med. I)	D.C.
Baccant, William Eldridge (Med. III)	D.C.	Cleaver, Benjamin Joseph (Med. IV)	N.Y.
Bales, William Otis, Jr. (Med. II)	Va.	A.B. 1934, New York University	
Bell, Frederic Leslie (Med. IV)	Wash.	Cham, Joseph William (Med. II)	Va.
B.S. 1931, University of Washington		B.S. 1926, University of Virginia	
Burnett, Lester Albert (Med. III)	N.J.	Chen, Raymond Franklin (Med. III)	D.C.
A.B. 1936, The George Washington University		Cloudy, William Donald (Med. IV)	D.C.
Burton, Jackson Arthur (Med. I)	Mass.	A.B. 1934, The George Washington University	
B.S. 1939, Massachusetts State College		Cotton, James Murphy (Med. III)	W.Va.
Beland, Lester (Med. I)	P.R.	Coulson, Gordon Hall (Med. II)	Wash.
Bennett, Bruce Hardy (Med. IV)	Fla.	B.S. 1936, University of Washington	
Bennett, Charles (Med. I)	N.Y.	Cooper, Claude E. (Med. II)	Md.
Billingham, William Kirkman, Jr. (Med. III)	D.C.	B.S. 1934, The George Washington University	
Birkel, Benedict Herman (Med. IV)	Pa.	Cox, Philip Archibald (Med. I)	D.C.
B.S. 1934, Marquette College		Craig, Ann Rae (Med. II)	D.C.
Black, Herbert Edward (Med. II)	D.C.	Crosby, Benjamin Leonard (Med. IV)	D.C.
Bloomfield, Lester Sylvan (Med. I)	D.C.	B.S. 1934, University of California	
Boek, Deaton (Med. II)	Calif.	Crowder, Eustacia (Med. IV)	D.C.
A.B. 1935, University of Utah		B.S. 1932, A.M. 1933, The George Washington University	
Bracker, Jerome (Med. I)	N.I.	Sc.D. 1936, Johns Hopkins University	
A.B. 1937, University of Pennsylvania		Cuvillier, Louis Marshall, Jr. (Med. IV)	D.C.
Brainerd, Carl Conway, Jr. (Med. I)	Va.	D	
B.S. 1937, University of Virginia		Davis, Albert in White (Med. I)	D.C.
Brick, Irving Benjamin (Med. I)	Fla.	Davis, Jacob Mayr (Med. II)	D.C.
A.B. 1937, The George Washington University		A.B. 1937, The George Washington University	
Brink, Albert Seymour (Med. IV)	D.C.	Dennis, Raymond Edwin (Med. II)	Idaho
A.B. 1935, The George Washington University		B.S. 1931, University of Idaho	
Brook, Theodore T. (Med. IV)	Pa.	Dickens, Paul Frederick, Jr. (Med. III)	D.C.
B.S. 1935, University of Pittsburgh		A.B. 1936, The George Washington University	
Brown, Brooks Graham, Jr. (Med. III)	D.C.	DeFrancis, Vincent (Med. II)	D.C.
A.B. 1932, University of California	Calif.	Dennis, Howard Alexander (Med. III)	N.Y.
Buckingham, Ryley (Med. I)	D.C.	Dick, Frederick Young, Jr. (Med. I)	D.C.
A.B. 1936, Newark University		Drapes, Warren Felix (Med. III)	Va.
Burkley, Michael Lester (Med. II)	Va.	A.B. 1935, Amherst College	
Burns, Fenton Harrison (Med. II)	J.C.	Duck, Herman Oscar (Med. I)	N.J.
Burke, John Harold (Med. I)	W.Va.	B.S. 1936, Dickinson College	
A.B. 1937, The George Washington University		Dustin, Bartholomew Joseph (Med. IV)	N.Y.
C		B.S. 1934, Catholic University of America	
Cannon, Jesse Floyd (Med. I)	Utah	Dutton, George Edward (Med. IV)	Pa.
A.B. 1934, University of Utah		B.S. 1933, St. Francis College (Pa.)	
Carbunell, Arthur Joseph (Med. II)	N.Y.	E	
		Engelbrecht, Philip Cannon (Med. II)	Pa.
		A.B. 1936, University of Kansas	
		Engstrom, William Lawrence (Med. IV)	Md.
		B.S. 1932, University of Maryland	
		Everett, John Beag (Med. I)	Minn.
		Everett, Stewart (Med. I)	D.C.

F		Hart, Cecil Harry (Med. I)		Ohio
Fagan, John Francis, Jr. (Med. I)	Mass	A.B. 1935, Hiram College		
A.B. 1937, College of the Holy Cross		Hartwell, Bruce Frederick (Med. I)		Calif.
Feldman, Harry Alfred (Med. III)	N. J.	A.B. 1935, American University		
A.B. 1935, The George Washington University		Haves, Dean Macser (Med. II)		Utah
Finley, Charles (Med. III)	N. Y.	Haynes, Harry James (Med. IV)		D. C.
A.B. 1936, University of Rochester		Hazard, John Henry (Med. IV)		D. C.
Flaherty, Walter Thomas (Med. II)	N. Y.	A.B. 1936, The George Washington University		
B.S. 1936, St. Bonaventure College		Heiges, Harold Lynwood (Med. II)		Pa.
Forst, Arthur (Med. IV)	N. Y.	A.B. 1937, The George Washington University		
A.B. 1934, The George Washington University		Hertzman, Sister Celina Mary (Med. IV)		N. Y.
Fraser, Ella Selma (Med. III)	D. C.	B.S. 1934, St. Bonaventure College		
A.B. 1934, A.M. 1935, The George Washington University		Hickman, Thorval L. (Med. I)		Utah
Fraser, James Malcolm (Med. III)		B.S. 1934, Utah State Agricultural College		
Fraser, Everett Charles (Med. IV)	Pa.	Hieble, Wilbur Warren (Med. IV)		Va.
French, Sanford Williams, Jr. (Med. III)	Md.	Holman, Samuel A. (Med. IV)		D. C.
A.B. 1936, St. Mary's University of San Antonio		A.B. 1935, The George Washington University		
Friedman, Joseph Marshall (Med. III)	D. C.	Hodge, Frank David (Med. III)		Utah
A.B. 1936, The George Washington University		A.B. 1935, University of Utah		Pa.
Futrovsky, Sam (Med. II)	D. C.	Harner, Merle M. (Med. I)		
B.S. 1935, A.M. 1936, The George Washington University		B.S. 1933, Juniata College		N. Y.
G		Harwitz, Marcus (Med. IV)		D. C.
Galbraith, Ted W. (Med. II)	Utah	Howard, I. Ray (Med. I)		S. Dak.
B.S. 1935, M.S. 1936, Utah State Agricultural College		Hast, Charles Garmire (Med. I)		Calif.
Gerhardt, Paul Emil (Med. III)	N. J.	Hubburt, Dwight Lowell (Med. I)		
Gibson, Frank Eugene (Med. III)	D. C.	A.B. 1937, The George Washington University		
Goffredi, Louis Joseph (Med. IV)	N. Y.	Hughes, Charles Randolph, Jr. (Med. III)		D. C.
B.S. 1934, Catholic University of America		Hulbert, Leila (Med. I)		Md.
Goldensohn, Eli Samuel (Med. II)	N. J.	Huntington, Camp Stanley (Med. III)		D. C.
A.B. 1937, The George Washington University		A.B. 1936, The George Washington University		
Goldman, Milton L. (Med. IV)	D. C.	I		
Gordon, Armand Byron (Med. IV)	D. C.	Irey, Hugh Wagner (Med. III)		D. C.
A.B. 1935, The George Washington University		J		
Gould, Ernest Alva (Med. III)	W.	Jacobs, Ralph I. (Med. IV)		N. Y.
B.S. 1936, University of Wyoming		B.S. 1934, The George Washington University		
Grass, Marcus Peter (Med. I)	Pa.	Jacobs, Dorothy Steale (Med. III)		D. C.
Guda, Florence Elizabeth (Med. III)	D. C.	Jaffe, Daniel (Med. IV)		N. Y.
A.B. 1936, The George Washington University		A.B. 1935, New York University		
Gramse, Fred R. (Med. III)	Utah	James, David Fellion (Med. II)		D. C.
A.B. 1931, University of Utah		B.S. 1936, Catholic University of America		Utah
Gray, George Alphonso, Jr. (Med. I)	Md.	Jerkens, W. Clayton (Med. I)		
Greenberg, Robert Milton (Med. I)	D. C.	A.B. 1931, Brigham Young University		N. Y.
A.B. 1937, The George Washington University		Jimenez, Nicholas Quinones (Med. I)		Pa.
Grunwell, John Roscoe, Jr. (Med. III)	Va.	Johnson, Robert Chester (Med. IV)		
Guzek, Joseph Thomas (Med. IV)	Pa.	B.S. 1934, University of Pittsburgh		N. J.
B.S. 1934, Pennsylvania State College		Johnson, William Parke (Med. III)		
H		A.B. 1935, Columbia University		
Hall, Gordon Curry (Med. II)	Calif.	K		
Ph.D. 1926, University of California		Kahler, Elizabeth S. (Med. II)		D. C.
Hammond, Roy Bartlett (Med. II)	Utah	B.S. 1931, A.M. 1935, The George Washington University		D. C.
A.B. 1936, Brigham Young University		Kanof, Norman Balfour (Med. I)		D. C.
Harris, Frank Henry (Med. III)	Ohio	Katzman, Bernard (Med. IV)		D. C.
A.B. 1932, Ohio State University		Kauffman, Julius (Med. I)		
Harris, William George (Med. III)	Ohio	B.S. 1917, The George Washington University		D. C.
		Kelso, Richard Edward (Med. III)		D. C.
		*Kemp, Dudley Timothy (Med. I)		
		A.B. 1925, William Jewell College		Pa.
		D.D.S. 1930, Texas Dental College		
		King, William Earl (Med. III)		

Kennedy, Charles Clark (Med. IV)	D.C.	Mensch, Maurice (Med. III)	D.C.
Kinn, Philip Sherwood (Med. II)	D.C.	Metzger, Gustav August, Jr. (Med. I)	D.C.
L			
Ladd, William Thornton (Med. IV)	D.C.	A.B. 1917, Ohio Wesleyan University	
Lambert, Marston Philip (Med. IV)	D.C.	Miles, Samuel Robert (Med. IV)	Conn.
B.S. 1924, The George Washington University		A.B. 1924, The George Washington University	
Lane, Thomas Hamilton (Med. II)	D.C.	Miller, Gust R. (Med. II)	Wash.
A.B. 1926, Dartmouth College		Moser, William A. (Med. III)	Md.
Lane, Lewis Raymond (Med. I)	Ga.	B.S. 1922, University of Maryland	
B.S. 1924, University of Georgia		Moss, Rowell, Sumner (Med. I)	N.Y.
Larson, Thurman August (Med. II)	Maine	A.B. 1927, Union College (N.Y.)	
B.S. 1924, Bowdoin College		Mason, George Tate (Med. II)	Ill.
Lauder, James Huxley, Jr. (Med. III)	Wash.	B.S. & M.E. 1915, Purdue University	
B.S. 1924, University of Washington		Mason, Louis Henry, Jr. (Med. III)	D.C.
Lattner, Louis Walter (Med. II)	Md.	Mason, Louis Stewart (Med. I)	D.C.
Laurie, Isador Morris (Med. I)	Md.	Mason, William Russell (Med. III)	D.C.
B.S. 1928, L.L.M. 1927, The George Washington University		Mason, David Charles (Med. I)	Mass.
Law, Charles Edwain (Med. III)	D.C.	B.S. 1924, Massachusetts State College	
Leary, Theodore Meriau (Med. II)	Mass.	A.M. 1927, The George Washington University	
B.S. 1921, Massachusetts State College		Martin, Lee Harold (Med. I)	Md.
Lepper, Donald Harper, Jr. (Med. IV)	N.C.	Martin, Donald Cameron (Med. II)	Pa.
B.S. 1924, Davidson College		Murphy, Richard C. (Med. II)	Oreg.
Lent, J. Charles David (Med. IV)	Mass.	A.B. 1925, The George Washington University	
A.B. 1925, The George Washington University		N	
Lepper, Mack Hamner (Med. I)	Md.	Nott, Perry Jacob (Med. I)	N.Y.
Leventhal, Sydney (Med. IV)	D.C.	B.S. 1926, New York University	
Levine, Jack Louis (Med. IV)	D.C.	O	
Levine, Sidney (Med. I)	Mass.	O'Connell, William Michael (Med. IV)	N.Y.
A.B. 1927, University of North Carolina		B.S. 1924, St. John's University (N.Y.)	
Levy, William, Jr. (Med. I)	D.C.	P	
Levinsky, Frank Gold (Med. II)	D.C.	Paggon, Jean Ernest (Med. I)	N.H.
Leppa, Sister Maria Rosemaria (Med. IV)	D.C.	B.S. 1927, University of New Hampshire	
Leppa, Rutha Loupeline (Med. IV)	Mass.	Parker, Henry Stoughton (Med. III)	D.C.
Leppa, Frederick Sherris (Med. I)	D.C.	Parker, Fred Donald (Med. I)	Ill.
A.B. 1924, Parsons College		Parker, Russell Cassin (Med. III)	D.C.
Letourneau, Virgil Alfred (Med. I)	Pa.	A.B. 1926, The George Washington University	
M			
Mazette, George, Jr. (Med. III)	Ala.	Pastor, Louis Wayne (Med. II)	D.C.
Maher, Robert Campbell, Jr. (Med. III)	Pa.	A.B. 1927, The George Washington University	
B.S. 1925, University of Notre Dame		Patt, George Albert (Med. IV)	Pa.
Mayer, Robert Wendell (Med. II)	D.C.	B.S. 1924, St. Thomas College	
Mayer, Hugh Francis (Med. I)	Mass.	R	
P.B. 1927, Boston College		Raper, Lawrence Vincent (Med. III)	D.C.
Maher, Robert Bruce (Med. IV)	N.Y.	Ross, Margaret Virginia (Med. IV)	Va.
Mason, William R. (Med. IV)	Ariz.	Roth, Catherine Wood (Med. I)	D.C.
B.S. 1922, University of Arizona		Kellerman, Charles Randolph (Med. III)	D.C.
McAtee, Stanley Carter (Med. I)	D.C.	A.B. 1926, The George Washington University	
McAtee, George Duncan (Med. I)	Ind.	Ruby, Clifford B. (Med. IV)	Idaho
B.S. 1927, University of Virginia		A.B. 1921, University of Utah	
McGowan, Paul Weston (Med. III)	Ohio	Ross, Kathleen Annis (Med. I)	S.C.
Melby, Edward Arvidson (Med. II)	Maine	B.S. 1927, Furman University	
B.S. 1926, Bowdoin College		Rosen, Henry R. (Med. III)	Md.
McIntyre, Thomas Francis, Jr. (Med. IV)	Pa.	A.B. 1927, The George Washington University	
McLaughlin, Genevieve Ann (Med. II)	N.Y.	Rosen, John Russell (Med. II)	D.C.
A.B. 1927, The George Washington University		Roberts, Catherine Foss (Med. IV)	Idaho
McNair, Alexander Peter (Med. I)	D.C.	A.B. 1925, University of Utah	
McQuinn, Hudson Brooks (Med. III)	Utah	Roberts, Jewel Frances (Med. IV)	Utah
B.S. 1923, Utah State Agricultural College		A.B. 1925, University of Utah	
Meach, Garner Beardsall (Med. IV)	Utah		
A.B. 1926, University of Utah			
Meier, Sister Helen Mary (Med. IV)	N.Y.		
B.S. 1925, St. Bonaventure College			
Mendel, Charles Louis (Med. IV)	D.C.		



Robins, LeRoy (Med. IV)	D.C.	T	
Rohrbaugh, Austin Bertram (Med. I)	Md.		
A.B. 1917, Duke University		Taksa, David Samuel (Med. IV)	Pa.
Rosenberg, Charles Irving (Med. III)	D.C.	A.B. 1911, Washington and Jefferson College	
B.S. 1924, University of Maryland		Thiemeyer, John Samuel, Jr. (Med. II)	D.C.
A.M. 1930, The George Washington University		A.B. 1917, The George Washington University	
Rosenberg, Morris Hirsh (Med. I)	D.C.	Thomas, Lawrence Jay (Med. IV)	N.Y.
S		B.S. 1934, New York University	
Saidman, Aaron Gilbert (Med. II)	D.C.	Thompson, Charles Waters (Med. I)	D.C.
B.S. 1916, The George Washington University		Tolson, Louis Henry (Med. IV)	Mass.
Sama, James Mac (Med. I)	Tenn.	Timmers, Sister Leonie Antoinette Maria (Med. IV)	D.C.
A.B. 1917, University of Tennessee		V	
Sandler, Martin August (Med. III)	N.Y.	Vargyas, Joseph Charles (Med. III)	N.J.
A.B. 1932, University of Illinois		B.S. 1915, Albright College	
Sanders, Zack Witten (Med. I)	W.Va.	W	
A.B. 1915, University of North Carolina		Walther, Janet Elizabeth (Med. I)	D.C.
Schapiro, Mark Meyer (Med. IV)	Panama	Weaver, Thomas Harold (Med. II)	Va.
A.B. 1914, Johns Hopkins University		A.B. 1917, The George Washington University	Va.
Schneider, Floyd Joseph (Med. II)	D.C.	Webb, Clifford A. (Med. III)	D.C.
B.S. 1916, Georgetown University		Wenschur, George Davis (Med. III)	N.Y.
Schultz, William Richard (Med. III)	Ohio	Wentraub, Henry (Med. IV)	
A.B. 1911, College of Wooster		B.S. 1914, Brooklyn College	Va.
Schwartz, Harry (Med. I)	N.Y.	Wells, Carl Hunt, Jr. (Med. I)	
A.B. 1917, The George Washington University		B.S. 1916, University of Georgia	Ark.
Scott, James Muney (Med. I)	D.C.	Whitley, Ralph Davis (Med. II)	
Shapiro, Irving (Med. IV)	N.J.	B.S. 1917, The George Washington University	
B.S. 1935, New York University		Widome, A. Allen (Med. IV)	D.C.
Sickler, Margaret Maxwell (Med. IV)	D.C.	Widome, Blanche (Med. IV)	D.C.
A.B. 1935, The George Washington University		A.B. 1914, The George Washington University	
Sirgany, Philip E. (Med. IV)	Pa.	Wilbur, Herbert Tilden, Jr. (Med. I)	Maine
Sisson, Harold Edward (Med. IV)	Va.	A.B. 1915, University of Maine	D.C.
Smith, Andrew Leonard (Med. I)	Pa.	Wintz, Uthai Vincent II (Med. III)	N.Y.
Smith, Charles Edward (Med. I)	D.C.	Witt, Eugene Lorenzo (Med. II)	D.C.
Smith, F. Willis (Med. IV)	N.I.	Wittman, Frank Louis (Med., M.S.)	
Snow, Lee B. (Med. II)	Ohio	B.S. in Med. 1920, M.D. 1920, The George Washington University	D.C.
Speck, George (Med. I)	Mass.	Wise, Edward Comstock (Med. III)	
Spencer, Nathaniel Roscoe (Med. II)	D.C.	A.B. 1916, The George Washington University	
Stakeman, Vernon Andrew (Med. II)	Va.	Wilson, Herbert, Jr. (Med. III)	Tenn.
Stimson, William Hamilton (Med. III)	Md.	Wintz, Uthai Vincent, Jr. (Med. II)	Fla.
Stoddard, Guy Russell, Jr. (Med. III)	Fla.	A.B. 1910, Williams College	
B.S. 1933, University of Miami		Y	
Storer, William Elroy (Med. II)	Ohio	Yonndt, Luke Binkley (Med. II)	Pa.
Strunk, Harold Alton (Med. III)	Pa.	B.S. 1916, Franklin and Marshall College	
B.S. 1918, Albright College		Z	
Sugar, Samuel Jacob (Med. IV)	D.C.	Zellis, Allan (Med. I)	D.C.
Phar.G. 1911, The George Washington University		Zuman, Edmund Allan (Med. II)	N.Y.
Sullivan, Benjamin Hardy (Med. IV)	Md.	B.S. 1916, The George Washington University	
A.B. 1916, The George Washington University		Zukerman, Sam (Med. II)	D.C.
Svedlow, Bernard Dave (Med. I)	N.Y.	A.B. 1917, The George Washington University	
B.S. 1918, New York University		Zylman, J. Derk (Med. I)	Wis.
Swanton, Lucy A. (Med. IV)	D.C.		
A.B. 1920, The George Washington University			

# SUMMARIES OF REGISTRATION

1937-38

## NUMBER OF REGISTRATIONS

First Year .....	73
Second Year .....	55
Third Year .....	57
Fourth Year .....	68
Candidate for the degree of Master of Science in Medicine.....	1
Total .....	254

## GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Alabama .....	1	North Carolina .....	1
Arizona .....	1	Ohio .....	7
Arkansas .....	1	Oregon .....	1
California .....	5	Pennsylvania .....	22
Connecticut .....	2	South Carolina .....	1
District of Columbia .....	96	South Dakota .....	1
Florida .....	4	Tennessee .....	2
Georgia .....	1	Utah .....	11
Idaho .....	3	Virginia .....	13
Illinois .....	2	Washington .....	4
Indiana .....	1	West Virginia .....	3
Iowa .....	3	Wisconsin .....	1
Maryland .....	15	Wyoming .....	1
Massachusetts .....	10	Pennsylvania .....	1
Minnesota .....	1	Puerto Rico .....	1
New Hampshire .....	1	Total .....	254
New Jersey .....	10		
New York .....	27		

## GRADUATES OF COLLEGES REGISTERED IN THE SCHOOL OF MEDICINE

Albright College .....	2	Franklin and Marshall College .....	1
American University .....	1	Furman University .....	1
Anderson College .....	1	George Washington University, The .....	53
Arizona University of .....	1	Georgetown University .....	1
Baylor College .....	1	Georgia University of .....	2
Brigham Young University .....	2	Henn College .....	1
Brooklyn College .....	2	Holy Cross College of the .....	1
California University of .....	1	Idaho University of .....	1
Catholic University of America .....	3	Illinois University of .....	1
Columbia University .....	3	Iowa University of .....	1
Dartmouth College .....	1	Johns Hopkins University .....	2
Davidson College .....	1	Junata College .....	1
Delaware College .....	1	Kansas University of .....	1
Duke University .....	1	Maine University of .....	1
		Maryland University of .....	3
		Maryville College .....	1

Massachusetts State College.....	3	St. Thomas College.....	1
Miami, University of.....	1	Tennessee, University of.....	1
Maravian College.....	1	Texas Dental College.....	1
New Hampshire, University of.....	1	Union College (N. Y.).....	1
New York University.....	6	Utah State Agricultural College ..	3
North Carolina, University of.....	2	Utah, University of.....	8
Norwich University.....	1	Virginia, University of.....	3
Notre Dame, University of.....	1	Washington, University of.....	3
Ohio State University.....	1	Washington and Jefferson College.	1
Ohio Wesleyan University.....	1	Williams College.....	1
Pennsylvania State College.....	1	William Jewell College.....	1
Pennsylvania, University of.....	1	Wooster, College of.....	1
Pittsburgh, University of.....	2	Wyoming, University of.....	1
Pomona College.....	1		
Purdue University.....	1	Total.....	13
Rochester, University of.....	1	Counted twice.....	4
St. Bonaventure College.....	3		
St. Francis College (Pa.).....	1	Number of college graduates .....	146
St. John's University (N. Y.).....	1		
St. Mary's University of San		Number of colleges represented .....	63
Antonio .....	1		



# INTERNSHIPS, CLASS OF 1937

Name	Hospital	City
Baralt, Corroia, Manuel M.	St. Mary's Hospital	Philadelphia, Pa.
Benson, Glenn Lewis	Hastings Memorial Hospital	Pasadena, Calif.
Bodell, Harold	Gallagher Municipal Hospital	Washington, D.C.
Bath, Catharine	Hospital of the Women's Medical College of Pennsylvania	Philadelphia, Pa.
Bourne, John Rogers	Latter Day Saints Hospital	Salt Lake City, Utah
Brady, Edwin Richard	Mount Sinai Hospital	Cleveland, Ohio
Bryant, Robert Murray, Jr.	Gallagher Municipal Hospital	Washington, D.C.
Clapp, Stewart	Jersey City Medical Center	Jersey City, N.J.
Clark, John Philip	Garfield Memorial Hospital	Washington, D.C.
Caskey, Charles Seymour	George Washington University Hospital	Washington, D.C.
Casper, Catherine	Gallagher Municipal Hospital	Washington, D.C.
Craig, Harold Albert	George Washington University Hospital	Washington, D.C.
Crompton, Alexander Berkeley	Church Home and Infirmary	Baltimore, Md.
Cutenden, Maryann	New England Hospital for Women and Children	Boston, Mass.
Deiman, Harry	Israel Zion Hospital	Brooklyn, N.Y.
Douglas, Sebastian Augustus	Southside Hospital	Pittsburgh, Pa.
Foster, Julius Robert	Gallagher Municipal Hospital	Washington, D.C.
Everett, John Ellsworth	Emergency Hospital	Washington, D.C.
Farnsworth, Reed White	Salt Lake General Hospital	Salt Lake City, Utah
Farrell, Frank Wentworth	Gallagher Municipal Hospital	Washington, D.C.
Farrell, George Raymond	Emergency Hospital	Washington, D.C.
Gulick, William Leonard	Church Home and Infirmary	Baltimore, Md.
Graham, Robert Fred	George Washington University Hospital	Washington, D.C.
Grant, Raymond Joseph	Jersey City Medical Center	Jersey City, N.J.
Greene, Edwin Claire	Gallagher Municipal Hospital	Washington, D.C.
Holtzman, Saul	Garfield Memorial Hospital	Washington, D.C.
Horne, Jack Chennoweth	Johns Hopkins University Hospital	Baltimore, Md.
Kernan, Paul Chapman	George Washington University Hospital	Washington, D.C.
Kerr, Smith Boyce	Long Island Hospital	Washington, D.C.
Kennedy, Walter Andrew	The Women's Hospital	Boston, Mass.
Kilmer, Elizabeth Yall	Harvard Municipal Hospital	Cleveland, Ohio
Kaplan, Roma George	Harvard Municipal Hospital	Harvard, Conn.
Larley, Irving Gilbert	Newark City Hospital	Newark, N.J.
Linder, Carl Raymond	Philadelphia Hospital	Philadelphia, Pa.
Lewis, William Elmer	Garfield Memorial Hospital	Washington, D.C.
Madden, Lela Patrick Le	Kaiser County Hospital	Baltimore, N.Y.
May, Anne Mayers, Jr.	Mount Zion Hospital	San Francisco, Calif.
McDon, Blaine Herman	Salem Memorial Hospital	Washington, D.C.
Mohr, Lila F.	Emergency Hospital	Pittsburgh, Pa.
Morganster, Blain	Israel Memorial Hospital	New York City
Norris, John Alfred	Garfield Memorial Hospital	Washington, D.C.
O'Brien, Leslie Sadie	Garfield Memorial Hospital	Washington, D.C.
Peters, Joseph Alexander	Garfield Memorial Hospital	Washington, D.C.
Peters, Samuel Bradford	St. Elizabeth's Hospital	Philadelphia, Pa.
Quinn, Rose Catha A.	Emergency Hospital	Washington, D.C.
Quinn, Richard Stuart	St. Mary's Hospital	Brooklyn, N.Y.
Ross, Louis	Gallagher Municipal Hospital	Washington, D.C.
Rubert, Carl	Newark City Hospital	Brooklyn, N.Y.
Rubert, Nathan	Mount Zion Hospital	San Francisco, Calif.
Sala, Michael I.	St. Mary's Hospital	Brooklyn, N.Y.
Seller, David Reginald	George Washington University Hospital	Washington, D.C.
Siegel, Myrtle Margaret	Albany General Hospital	Albany, Pa.
Spice, Richard Harvey	Shaw Memorial Hospital	Washington, D.C.
Stewart, Sylvan Arthur	Salem Memorial Hospital	Spokane, Wash.
Stratford, Fiderick James	Garfield Memorial Hospital	Washington, D.C.
Tall, Avel	Good Samaritan Hospital	Washington, D.C.
Tolson, Verna V.	Washington Hospital	Washington, Pa.
Wink, Irving Wille	Gallagher Municipal Hospital	Washington, D.C.
Wunsch, Joseph John	Scranton State Hospital	Scranton, Pa.



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THE LAW SCHOOL

1938-39





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THE LAW SCHOOL

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WASHINGTON, D.C.

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# CALENDAR OF THE LAW SCHOOL

1938-39

Date	Day	Occasion
1938:		
September 24, 26-27	Saturday, Monday, and Tuesday	Registration period for the first semester
September 28.....	Wednesday .....	Academic year begins
November 24-26...	Thursday to Saturday, both dates inclusive	Thanksgiving recess
December 21-January 3	Wednesday to Tuesday, both dates inclusive	Christmas recess
1939:		
January 4.....	Wednesday .....	Classes resumed Last day for applications for degrees to be conferred in February
January 16-27.....	Monday to Friday, both dates inclusive	Preregistration period for the second semester
January 28-February 4.....	Saturday to Saturday, both dates inclusive	Midyear examination period
February 8-9.....	Wednesday and Thursday	Registration period for the second semester
February 10.....	Friday .....	Classes resumed for the second semester
February 22.....	Wednesday .....	Winter Convocation. Holiday
April 7-12.....	Friday to Wednesday, both dates inclusive	Easter recess
May 5.....	Friday .....	Last day for applications for degrees to be conferred in June
May 24-June 10...	Wednesday to Saturday, both dates inclusive	Final examination period
May 30.....	Tuesday .....	Memorial Day. Holiday
June 11.....	Sunday .....	Baccalaureate Sermon
June 14.....	Wednesday .....	Commencement
June 19.....	Monday .....	First summer term begins
July 4.....	Tuesday .....	Independence Day. Holiday
July 31.....	Monday .....	First summer term ends
August 1.....	Tuesday .....	Second summer term begins
September 14.....	Thursday .....	Second summer term ends
September 23, 25-26	Saturday, Monday, and Tuesday	Registration period for the first semester of the academic year 1939-40

## THE BOARD OF TRUSTEES

The Board of Trustees of the University is composed of the President of the University, ex officio, and the following persons by election:

1938

- Avery DeLano Andrews, B.S., LL.B., Winter Park, Florida.  
Clarence Aiken Aspinwall, 1140 Fifteenth Street.  
Henry Parsons Erwin, A.B., Hibbs Building.  
Mrs. Joshua Evans, Jr., A.B., Ed.D., 3405 Lowell Street.  
\*Howard Wilkinson Hodgkins, B.S., LL.B., 1604 First National Bank Building, Chicago, Illinois.  
\*John Edgar Hoover, LL.M., LL.D., United States Department of Justice.  
Charles Riborg Mann, Ph.D., Sc.D., 744 Jackson Place.  
Walter Rupert Tuckerman, A.B., LL.B., 1721 H Street.  
Chester Wells, B.S., Graduate United States Naval War College; Jones Mill Road, Chevy Chase, Maryland.

1939

- Harry Cassell Davis, A.M., L.H.D., 1921 Kalorama Road.  
\*George Edgar Fleming, LL.M., Union Trust Company.  
Charles William Gerstenberg, LL.B., 70 Fifth Avenue, New York City.  
Ulysses S. Grant, 3d, B.S., Graduate United States Engineers' School; Governor's Island, New York.  
Gilbert Grosvenor, A.M., LL.D., Litt.D., National Geographic Society.  
Alfred Henry Lawson, LL.B., Washington Loan and Trust Company.  
Theodore Williams Noyes, A.M., LL.M., LL.D., 1730 New Hampshire Avenue.  
\*Luther Halsey Reichelderfer, M.D., LL.D., 1661 Crescent Place.

1940

- Charles Silas Baker, A.M., LL.B., 720 Munsey Building.  
\*Bennett Champ Clark, A.B., LL.B., Senate Office Building.  
John Henry Cowles, LL.D., 1733 Sixteenth Street.  
Robert Vedder Fleming, Riggs National Bank.  
Charles Carroll Glover, Jr., A.M., LL.B., Riggs National Bank.

\* Nominated by the alumni.

Arthur Peter, LL.B., Washington Loan and Trust Building.

Mrs. Henry Alvah Strong, LL.D., Hill Building.

Merle Thorpe, A.B., United States Chamber of Commerce Building.

\*Alfred Adams Wheat, A.B., LL.B., LL.D., District Court House.

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Robert Vedder Fleming

*Vice Chairman of the Board of Trustees*

Arthur Peter

*Secretary of the Board of Trustees*

Harry Cassell Davis

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\* Nominated by the alumni.



## OFFICERS OF ADMINISTRATION

### THE UNIVERSITY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

William Carl Ruediger, Ph.D., *Provost of the University.*

Charles Wendell Holmes, LL.D., *Comptroller of the University.*

Harold Griffith Sutton, M.S., *Director of Admissions.*

John Russell Mason, B.S. in L.S., A.M., *Librarian of the University.*

Fred Everett Nessell, A.B., *Registrar of the University; Secretary of the*

*Faculties.*

Robert Whitney Bolwell, Ph.D., *Dean of the Summer Sessions.*

Vinnie Giffen Barrows, A.M., *Director of Women's Personnel Guidance.*

Daniel LeRay Borden, A.M., M.D., *Director of Health Administration.*

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Myrna Pauline Sedgwick, A.B., *Secretary to the President.*

Lester Allan Smith, A.M., *Alumni Secretary.*

### THE LAW SCHOOL

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Dean of the Law School.*

Anna Marie Bischoff, A.B., *Secretary to the Dean of the Law School.*

Mary Alice Jaqua, A.B., *Secretary in the Office of the Dean of the Law School.*

### THE LAW LIBRARY

Helen Newman, LL.M., *Law Librarian.*

*Assistants in the Law Library.*—Kent Duvall Algire, LL.B.; Henry Norment Custis, A.B.; Richard Alfred Fitzgerald, A.B.; George Waller Wise, A.B., LL.B.



## THE UNIVERSITY

### HISTORY

The idea of a university located in the Capital of the Nation was sponsored by George Washington, who during his public life urged the establishment of such an institution and who in his will left fifty shares of stock in the Potomac (Canal) Company for the endowment of a university to be established in the District of Columbia "to which the youth of fortune and talents from all parts thereof might be sent for the completion of their Education in all the branches of polite literature;—in arts and Sciences,—in acquiring knowledge in the principles of Politics & good Government".

In furtherance of that hope and project of the first President of the United States, this University, founded as Columbian College and now named The George Washington University, was established. The stock which General Washington willed toward such an institution became valueless owing to the failure of the canal properties, and it was necessary for "the College" established in the District of Columbia to obtain funds from other sources.

In 1819 the Reverend Luther Rice, a Baptist missionary, formed an association to buy land for the use of a college in the city of Washington. With General Washington's idea in mind, John Quincy Adams, Secretary of State of the United States; William H. Crawford, Secretary of the Treasury; John C. Calhoun, Secretary of War; William Wirt, Attorney General; and Return J. Meigs, Postmaster General, became patrons of the new college and, together with thirty-two members of Congress, contributed to a fund raised for the purchase of the land and the development of the work.

From this fund a tract of approximately forty-seven acres, "extending about one-half mile northwest of Boundary Street (Florida Avenue) between 14th and 15th Streets", was purchased, and Columbian College in the District of Columbia, a nonsectarian institution, under the distinguished favor of James Monroe, President of the United States, and his Cabinet, was chartered by an act of Congress of February 9, 1821.

By 1822 the main building was completed sufficiently to use. Dr. William Staughton was elected first President of the institution. Two years later, when the first Commencement was held on December 15, 1824, President Monroe, John Quincy Adams, John C. Calhoun, Henry Clay, and the Marquis de Lafayette headed the eminent company attending the exercises.



The School of Medicine, established in 1821, was formally opened in 1825 and has been in continuous operation since that time. The Law School, organized in 1826, discontinued the following year, was reestablished in 1865. It is the oldest law school in Washington.

By an act of Congress of March 3, 1873, the name of the college was changed to "Columbian University", in recognition of the enlarged scope of the institution. The following year the institution was moved from its first location on "College Hill", now Columbia Heights, to the new University Hall built for it at Fifteenth and H Streets. Near-by buildings accommodated the School of Medicine.

By an act of Congress of January 23, 1904, the University was removed from the denominational control under which it had operated from 1899 and was provided with a self-perpetuating Board of Trustees empowered to change its name. In accordance with this act, the title "The George Washington University" was adopted in the same year.

Subsequently all the Colleges, Schools, and Divisions of the University except the School of Medicine, which is situated on H Street between Thirteenth and Fourteenth Streets NW., were brought together at the present location on or immediately surrounding the city block bounded by Twentieth, Twenty-first, G, and H Streets NW.

In 1930 a new plan of academic organization was effected, resembling in principle the master-apprentice relation of the old guild system. The University as it is now organized consists of the Junior College, comprising the work of the freshman and sophomore years; a senior college, known as "Columbian College", which awards the Bachelor's and Master's degrees; the Graduate Council; the professional Schools and Divisions; the Division of University Students; the Inter-American Center; and the Summer Sessions.

#### ACADEMIC STATUS

The George Washington University is on the approved list of the Association of American Universities, the standard accrediting body for the United States. This fact not only assures to students the academic standards of this accrediting body, but is important also to those who desire to transfer credits from one institution to another.

The University is also accredited by its regional accrediting agency, the Middle States Association of Colleges and Secondary Schools, and is on the approved list of the American Association of University Women.

The Law School is a charter member of the Association of American Law Schools and is approved by the Council of Legal Education of the American Bar Association. The School of Medicine is a member of the Association of American Medical Colleges, is one of the medical colleges which have been designated continuously as "class A" by the American

Medical Association, and is accredited for all its work by the Combined (Royal) Medical Examining Boards in England.

#### LOCATION

The George Washington University is located in the heart of the city of Washington, a short distance from the Potomac River and the Mall. Within a few blocks are the White House and the offices of many of the departments of the Government, including the Department of State, the Department of the Treasury, the Department of War, the Department of Justice, the Department of the Navy, the Department of the Interior, the Department of Agriculture, the Department of Commerce, and the Department of Labor. The Corcoran Gallery of Art, the Pan American Union Building, and the National Academy of Sciences are also near by, and the Capitol and the Library of Congress can be reached by streetcar in twenty minutes from any of the University buildings.

#### GOVERNMENT

The government and general educational management of The George Washington University are vested in a self-perpetuating Board of Trustees, with the President of the University as member *ex officio*. The members of the Board are named for a period of three years and are divided into three classes. The members of one class are elected at each annual meeting to fill the places of the members whose terms of office expire. Two members of each class are nominated by the Alumni Association. The charter provides that "Persons of every religious denomination shall be capable of being elected Trustees."

#### ENDOWMENT

The endowment of The George Washington University, not including the value of buildings, grounds, and equipment, is \$2,608,532.46.

#### THE COLLEGES, SCHOOLS, AND DIVISIONS

The George Washington University offers courses in thirteen Colleges, Schools, and Divisions, as follows: the Junior College; Columbian College, the senior college of letters and sciences; the Graduate Council; the School of Medicine; the Law School; the School of Engineering; the School of Pharmacy; the School of Education; the School of Government; the Division of University Students; the Division of Library Science; the Inter-American Center; and the Summer Sessions.

#### INSTRUCTIONAL ORGANIZATION

The instructional organization of Columbian College and the Graduate Council is contained in the divisions. The divisional and departmental

officers administer the educational requirements for students majoring within the divisions.

The divisions are as follows: (1) *the Division of Languages and Literatures*, which comprises the Departments of Classical Languages and Literatures, English, Germanic Languages and Literatures, and Romance Languages and Literatures; (2) *the Division of Mathematics and the Physical Sciences*, which comprises the Departments of Biochemistry, Chemistry, Mathematics, Pharmacology, Physics, and Statistics; (3) *the Division of the Natural Sciences*, which comprises the Departments of Anatomy, Bacteriology, Biology, Botany, Geology, Neurology, Pathology, Physiology, Psychology, and Zoology; (4) *the Division of the Social Sciences*, which comprises the Departments of Business Administration, Economics, Education, History, Journalism, Law, Philosophy, Political Science, Public Speaking, and Sociology.



## THE LAW SCHOOL

### THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Dean of the Law School.*

### EMERITUS LIST

Wendell Phillips Stafford, A.M., LL.B., LL.D., Litt.D., *Professor Emeritus of Law.*

John Paul Earnest, A.M., LL.M., *Professor Emeritus of Criminal Law.*

Walter Collins Clephane, LL.M., LL.D., *Professor Emeritus of Law.*

### ACTIVE LIST

John Wilmer Latimer, LL.B., *Professor of Law.*

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law.*

Charles Sager Collier, A.B., LL.B., S.J.D., *Professor of Law.*

Hector Galloway Spaulding, B.S., LL.B., S.J.D., *Professor of Law.*

Walter Lewis Moll, A.B., LL.B., S.J.D., *Professor of Law.*

Thomas Armitage Larremore, A.M., LL.B., *Visiting Professor of Law.*

Joseph Winston Cox, LL.B., *Adjunct Professor of Law.*

Lloyd Hall Sutton, B.S., LL.B., *Adjunct Professor of Law.*

Spencer Gordon, A.B., LL.B., *Adjunct Professor of Law.*

Conway Peyton Coe, A.B., LL.B., *Adjunct Professor of Law.*

Levi Russell Alden, A.M., LL.B., *Adjunct Professor of Law.*

Gilbert Lewis Hall, A.B., LL.B., *Adjunct Professor of Law.*

\*William Thomas Fryer, A.B., LL.B., J.D., *Associate Professor of Law.*

Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Associate Professor of Law.*

Carville Dickinson Benson, Jr., A.B., LL.B., S.J.D., *Associate Professor of Law.*

James Forrester Davison, A.B., LL.M., S.J.D., *Associate Professor of Law.*

John Albert McIntire, A.B., LL.B., *Associate Professor of Law.*

William Randall Compton, M.B.A., LL.B., J.S.D., *Assistant Professor of Law.*

\* On sabbatical leave first semester 1938-39

Chester Charles Ward, B.S., LL.M., *Assistant Professor of Law.*  
 Clarence Altha Miller, LL.M., *Lecturer in Law.*  
 James Oliver Murdock, Ph.B., LL.B., *Lecturer in Law.*  
 James Robert Kirkland, A.B., LL.M., *Lecturer in Law.*  
 Frank Lawrence Mechem, Ph.B., LL.B., *Lecturer in Law.*  
 Justin Lincoln Edgerton, A.B., LL.B., *Associate in Law; Clerk of the Moot Court.*

#### MOOT COURT OF APPEALS

Brainard Warner Parker, LL.B., *Chief Justice.*  
 George Francis Williams, LL.M., *Associate Justice.*  
 Paul Edgar Lesh, LL.M., *Associate Justice.*

#### COMMITTEES\*

##### THE DEAN'S COUNCIL †

Carville Dickinson Benson, Jr.	John Albert McIntire
Charles Sager Collier	Walter Lewis Moll
William Randall Compton	Saul Chesterfield Oppenheim
James Forrester Davison	Hector Galloway Spaulding
William Thomas Fryer	Chester Charles Ward

##### COMMITTEE ON LIBRARY

James Forrester Davison, *Chairman*

Carville Dickinson Benson, Jr.	Hector Galloway Spaulding
Charles Sager Collier	The Law Librarian

##### COMMITTEE ON REINSTATEMENT

William Randall Compton, *Chairman*

Walter Lewis Moll	Chester Charles Ward
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##### COMMITTEE ON PROGRAMS FOR FACULTY MEETINGS

Charles Sager Collier, *Chairman*

John Albert McIntire	James Oliver Murdock
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##### ADVISERS ON REGISTRATION

Carville Dickinson Benson, Jr.	William Thomas Fryer
Charles Sager Collier	John Albert McIntire
James Forrester Davison	Saul Chesterfield Oppenheim
Hector Galloway Spaulding	

\* The President of the University and the Dean of the Law School are members ex officio of all committees.

† Elected by the Faculty.

## GENERAL INFORMATION

### INTRODUCTORY

The George Washington University Law School, established in 1826, discontinued later, and reorganized in 1865, is the oldest in the District of Columbia. The course of instruction for the degree of Bachelor of Laws, originally requiring two years, was increased in 1898 to three years. A course leading to the degree of Master of Laws was added in 1877. In 1900 the School took part in the organization of the Association of American Law Schools and has been a member of the association since that time. In 1911 the School became coeducational. In 1924 the late-afternoon course for students with limited schedules was increased to four years. On September 1, 1925, the entrance requirements were increased to two years of college work; in 1937 they were increased to a college degree. The School is approved by the Council of Legal Education of the American Bar Association. Since September 1, 1925, it has occupied a new building, designed and constructed for its use. This building is named Stockton Hall in honor of the late Rear Admiral Charles Herbert Stockton, President of the University from 1910 to 1918.

### THE LIBRARY

The Law School Library of 20,000 volumes contains the decisions of the highest courts of all the States, the reports of the United States Supreme Court and lower Federal courts, the English Reprint and English Law Reports, the United States Statutes, the statutes of all the States, the English statutes, the principal English and American digests, legal encyclopedias and collections of annotated cases, and the leading case books, textbooks, and legal periodicals.

The library is open from 9 A.M. to 11 P.M. each class day (Saturday, 9 A.M. to 6 P.M.), and from 2 to 6 P.M. on Sunday.

### THE LAW REVIEW

*The George Washington Law Review*, published monthly from November to June, inclusive, by the University, is edited by the Faculty and students of the Law School. It is devoted exclusively to the field of governmental and Federal public law. The location of the University in the National Capital, where the primary sources of Federal public law may be observed in operation, affords a unique opportunity for specialization in this field. Among the subjects included in this field are administrative law, admiralty, conflict of laws, constitutional law, government corporations, international law, interstate commerce, immigration, patents, copyrights, trade marks, taxation, trade regulation, tariff, radio law, and veterans' administration.

The editorial work of the *Review* is in charge of a Faculty editor-



in-chief, a Faculty board of associate editors, a board of departmental advisory editors, and a board of student editors. The student editors are chosen each year from among those students who have attained senior standing in the work for the first degree in law with an average grade of *B* or better.

#### RESEARCH IN PUBLIC LAW

To promote research in public law there will be conducted in the Law School, beginning with the academic year 1938-39, seminars in Administrative Law, Constitutional Law, Trade Regulation, and Government Corporations. The purpose of this research is to furnish means for training specialists in public law, either as Government lawyers or as lawyers representing individuals or corporations in cases in which the Government is a party, and to assist in the analysis, clarification, formulation, and improvement of public law, substantive and procedural.

To enroll for this work students must be eligible to be regular students in the Law School and must have graduated from an approved law school with the degree of Bachelor of Laws or equivalent degree, or be senior candidates for the degree of Juris Doctor, or must be admitted by special permission of the member of the Faculty in charge.

#### THE STUDENT BAR ASSOCIATION

All students in the Law School are required to be members of the Student Bar Association. This is organized to enable students to become better acquainted with problems of the profession, to develop better professional ideals, and to bring about closer contact with members of the profession engaged in active practice of the law.

The work of the Student Bar Association will be carried on by the activities of various committees and by group and general meetings of the association of a professional and social nature. From time to time lectures will be given by outstanding authorities on legal and professional problems.

Each member of the Student Bar Association will be entitled to a subscription to *The George Washington Law Review*, a law journal published eight times a year, from November to June, inclusive, by The George Washington University and edited by the Faculty and students of the Law School.

#### ORDER OF THE COIF

The Order of the Coif is a national honor society with chapters in thirty-five law schools, the purpose of which is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship". The George Washington University Chapter was established in 1926. Students are elected each year from the highest ranking 10 per cent of the graduating class of the Law School.

### ADMISSION

For a statement of the general regulations and procedure for admission to the University see the University Catalogue.

Applications for admission and supporting certificates should be filed with the Director of Admissions not later than two weeks before the registration period.

### FOR THE DEGREE OF BACHELOR OF LAWS

Candidates for this degree must have received, before admission, the degree of Bachelor of Arts or an equivalent degree from an approved college or university. The conferring of this degree must be evidenced by proper certificates.

### ADVANCED STANDING

Advanced standing toward the degree of Bachelor of Laws may be granted for work successfully completed in other law schools which are members of the Association of American Law Schools. A student transferring from another approved law school with advanced standing must show that at the time he began the study of law at the other school he could have met the requirements then in force for admission to the Law School of The George Washington University.

Applicants for admission with advanced standing must file certified transcripts of record showing high-school, college, and law credits. The right is reserved to refuse such credit, in whole or in part, or to allow it conditionally or after examination, and credit given may be withdrawn for subsequent poor work. No student admitted with advanced standing will be recommended for the degree of LL.B. until he has completed in this School at least one full year of residence and passed successfully twenty-eight semester-hours with the required average for the degree. No student will be admitted who has been in attendance at another law school and who is ineligible, because of poor scholarship, to return to that school.

Students intending to attend summer-school sessions at other law schools and desiring to use credits obtained at such schools in their course at this Law School must first have the courses they wish to take approved by the Dean. In no event will credits be recognized in excess of those which might be obtained in a similar period in this School.

### FOR THE DEGREE OF JURIS DOCTOR (J.D)

Candidates for this degree must have received before admission the degree of Bachelor of Arts or an equivalent degree from an approved college or university.

Advanced standing for work in other law schools will not be granted toward the degree of Juris Doctor.

#### FOR THE DEGREE OF MASTER OF LAWS

Candidates for this degree must, at the time of their admission, have received the degree of Bachelor of Arts or an equivalent degree from an approved college or university and the degree of Bachelor of Laws or an equivalent degree from an approved law school.

#### UNCLASSIFIED STUDENTS

Persons eligible for admission to regular standing may, in the discretion of the Dean, be admitted as unclassified students, to courses aggregating not more than four hours a week.

#### UNIVERSITY STUDENTS IN THE LAW SCHOOL

A limited number of persons who cannot qualify as candidates for a degree in Law, but who are over twenty-five years of age and who because of their maturity, training, and experience seem qualified to pursue the study of Law, may be admitted to the Division of University Students. Candidates for admission as "university" students in Law must file written applications, setting forth their qualifications in detail, and letters and certificates to prove the facts stated therein as to their education and experience. Each application must first be submitted to the Faculty of the Law School and approved by them. Approval will be granted only in unusual cases where some special reason justifies admission. Work done by such university students will not be counted toward a degree.

#### REGISTRATION

Before attending classes each student must present himself in person for registration. No student will be registered in the Law School until proper credentials have been filed and approved by the proper officers of the University (see "Admission", above).

In a case in which a student is permitted to drop a year course at the end of the first semester he must register for the second semester of that subject not later than one calendar year from the time the attendance in the first semester was completed.

Registration is permitted at the beginning of either semester. Students beginning the study of Law in the second semester, however, may pursue only a limited schedule. Such students may pursue other first-year courses in the succeeding summer session.

Qualified students who are entitled to advanced standing on records from other approved law schools or who have completed courses at this Law School during former periods of attendance may register at the beginning of the second semester for subjects which commence at that time, but not for year subjects.



Registration days for the academic year 1938-39 will be Saturday, Monday, and Tuesday, September 24, 26, and 27, 1938, and Wednesday and Thursday, February 8 and 9, 1939. A late-registration fee of \$5 will be charged each student who is permitted to register after the regular registration days. No registration may be made for a semester subject after the first two weeks of a semester, or for a year subject after the first four weeks of the year.

Registration may be changed only with the permission of the Dean.

For further information regarding registration, see the University Catalogue.

#### FEES AND FINANCIAL REGULATIONS

University fee, for each semester or for any part thereof.....	\$8.00
Tuition fee, for each semester-hour.....	8.00
Student Bar Association fee, for each semester or for any part thereof....	2.50
Graduation fee .....	20.00
Fee for special examinations, for each subject.....	5.00
Late-registration fee, charged students who fail to register within the designated period .....	5.00
Reinstatement fee, charged students who are reinstated after being suspended for delinquency in fees.....	5.00

#### UNIVERSITY FEE

Payment of the University fee, charged all students, secures to them the following University privileges: (1) the issuance of three certified transcripts of record, if and when desired; (2) the services of the Placement Office; (3) the use of the University library facilities, except as otherwise designated; (4) gymnasium privileges and the use of the University playing fields; (5) admission to all athletic contests, unless otherwise specified; (6) subscription to the *University Hatchet*, the student newspaper; (7) admission to University debates; (8) medical attention and hospital services administered by the Department of Health Administration (see pages 22-23). These privileges, however, with the exception of the issuance of transcripts, terminate, and a student is no longer in residence, when he withdraws or is dropped from the University.

#### STUDENT BAR ASSOCIATION FEE

This fee is charged all students. It secures membership in the Student Bar Association. Among the privileges of this membership is a subscription to *The George Washington Law Review* for the semester.

#### PAYMENT OF FEES

All fees are payable at the Office of the Comptroller, 725 Twenty-first Street NW. No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each semester are due and payable in advance at the time of registration.

In exceptional cases, subject to the approval of the Comptroller, students registering for more than three semester-hours may sign contracts for semester charges, except for the University fee and Student Bar Association fee, permitting installment payments as follows:

First semester—one third at the time of registration, plus the University fee and Student Bar Association fee; one third on November 1; one third on December 1.

Second semester—one third at the time of registration, plus the University fee and Student Bar Association fee; one third on March 1; one third on April 1.

Students registering for three hours or less are not privileged to sign contracts for installment payments.

Students who fail to meet installment payments by the sixteenth day of the month in which payment is due will be suspended and may not attend classes until they have been officially reinstated and have paid all accrued fees and a reinstatement fee of \$5. A suspended student may not be reinstated for the semester after two weeks from the date of suspension. Applications for reinstatement are to be made to the Dean or Director of the College, School, or Division in which the student is registered.

Auditors pay a University fee of \$2 and all other fees chargeable to students registered for credit except the late-registration fee.

#### WITHDRAWALS AND REFUNDS

Applications for withdrawal from the University or for changes in class schedules must be made in person or in writing to the Dean or Director of the College, School, or Division in which the student is registered. Notification to an instructor is not an acceptable notice.

In authorized withdrawals and changes in schedules, financial adjustments will be made as follows:

First semester—withdrawals dated on or before October 31, cancellation of the second and third installments; withdrawals dated on or before November 30, cancellation of the third installment. No refunds or rebates will be allowed on withdrawals dated subsequent to November 30.

Second semester—withdrawals dated on or before February 28, cancellation of the second and third installments; withdrawals dated on or before March 31, cancellation of the third installment. No refunds or rebates will be allowed on withdrawals dated subsequent to March 31.

In no case will the University fee or any part of an initial installment of tuition be refunded, and in no case will tuition be reduced or refunded because of nonattendance upon classes.

Authorization to withdraw and certification for work done will not be given a student who has not a clear financial record.

### SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Application should be made to the Registrar of the University.

The following prizes are awarded annually in the Law School:

*Ellsworth Prize.*—The Ellsworth Prize of \$25, offered by Mr. Fritz von Briesen, is awarded to the student doing the best work in the subject of Patent Law Practice. It was awarded in 1936-37 to George Hardin Mortimer.

*Samuel Herrick Prize.*—A prize of \$25, founded by Samuel Herrick, Esq., is awarded annually to that member of the graduating class in the Law School (excepting the winner of the John Bell Larner medal) who has attained the highest average grade in the work of the third year. It was awarded in 1936-37 to Bernard Margolius.

*John Bell Larner Prize.*—This prize, established by the bequest of John Bell Larner, consists of a medal which is awarded annually to that member of the graduating class in the Law School who attains the highest average grade in the entire course for the degree of Bachelor of Laws. It was awarded in 1936-37 to Sumner Sigsbee Kittelle.

*John Ordronaux Prizes.*—These prizes were established in 1909 by the bequest of John Ordronaux. The amount of \$40 is awarded annually to the student in the Law School who has attained the highest average grade in the first-year, full-time, regular course; and \$40 to the student who has attained the highest average grade in the second-year, full-time, regular course. The former was awarded in 1936-37 to George Robbins Brown and the latter to Robert Barrow Hankins.

Through the generosity of friends of the University a number of loan funds are available to students in the Law School. Among them is the Henry Strong-William A. Maury Loan Fund established by the Henry Strong Educational Foundation in memory of Henry Strong and William A. Maury. Application for loans should be made to the Comptroller of the University.

### GENERAL REGULATIONS

*Students in the Law School are subject to, and are expected to familiarize themselves with, the general University regulations stated in the University Catalogue.*

### AMOUNT OF WORK

A student who takes a majority of his courses in the full-time sections, from 9.10 A.M. to 1 P.M., may, with the permission of the Dean, take work not exceeding fifteen hours a week. For such students the minimum period of attendance is three academic years.

A student who takes a majority of his courses in the afternoon sections



may not register for more than ten hours a week. For such students the minimum period of attendance is four academic years.

The amount of work carried by any student may be restricted when, in the judgment of the Dean, the best interests of the student require it.

#### ATTENDANCE

No student will be allowed credit in any subject unless he has been regularly registered and in regular attendance and has done all the work required in the course in that subject. A student who has been absent from more than 20 per cent of the classes in any subject will not be permitted to take the examination in the subject except upon special permission of the Dean's Council.

#### GRADES

The grade of a student in each subject is indicated by the letters *P* (55), pass, or *F* (below 55), failed. The meaning of these grades is as follows:

*P*, pass, means that the work has been successfully completed and full credit given for the subject.

*F*, failed, means that the work in the subject has been a failure and that no credit will be given. To obtain credit the student must repeat the subject; but a student who, in the work of the year, has received a grade of *F* in one subject only and obtained a general average of *C* may take the next regular examination in that subject, and if on such reexamination he obtains a passing grade he will be given credit in the subject with the grade thus obtained.

At the end of each academic year each student is given an average numerical grade for his work for the year. These numerical grades rank as follows: *A* (85-100), excellent; *B* (75-84), very good; *C* (65-74), good; *D* (60-64), poor; *U* (below 60), unsatisfactory.

The general average of a student shall include all the grades in all the subjects taken while he is in the Law School working for a particular degree. Where a subject has been repeated or a reexamination has been taken, both the first grade and the subsequent grade or grades shall be counted in the general average.

#### EXAMINATIONS

Written examinations are held at the close of the first semester in subjects which are then completed and at the close of the second semester in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean. A student who, with the consent of the Dean, does not take the final examination in a subject with the class in which he is enrolled may take the next regular examination given in the subject.

No student shall be given an examination in, or permitted to receive credit in, less than an entire subject. In any case where a student is permitted to register for one semester only of a year subject, he may not take the examination in that subject until the other semester has been completed.

No special examinations will be given; except that, upon written application to the Dean's Council, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would be entitled to take a postponed examination, may, in the discretion of the Dean's Council, be given a special examination not less than sixty days after the date of the one which he failed to take.

#### EXCLUSION AND PROBATION FOR POOR SCHOLARSHIP

Any student who during an academic year fails in two or more full-year subjects or the equivalent in half-year subjects shall be excluded. Any student not subject to exclusion under the foregoing rule who at the end of an academic year has failed to maintain a general average in all of his work of at least *C*, 65, will be on probation during the succeeding academic year. Students on probation may at the discretion of the Dean be required to reduce their programs of study. A student on probation will be excluded at the end of his probationary year unless he has made an average grade sufficient to give him a general average of at least *C* in all of the work since his admission to the School.

No student shall be put on probation or excluded on the work of one semester only or on the work of the Summer Sessions or as the result of a program of less than four hours a week during the academic year.

A student who has been excluded from the School under the above rules may be readmitted by the Committee on Reinstatement upon such conditions as that committee shall prescribe. Written application must be made to the committee setting forth the reasons for the reinstatement, and the applicant will be accorded an oral hearing if he so desires. Reinstatement will be granted only in special cases.

Students who have not applied to the Committee on Reinstatement, or who have been denied reinstatement by the committee, may be admitted to the regular examinations during the academic year next succeeding the year upon the work of which they have been dropped, in those subjects in which they have made a grade below passing, 55, and if such students receive a grade of passing in all of these subjects with an average sufficient to make their general average not less than 65, such students shall be reinstated at the beginning of the next academic year. Students who take these examinations for reinstatement are not eligible to be registered in the Law School or to attend classes during the year in which the examinations are taken.

### CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of semester-hours of credit as follows: First year, to twenty-seven; second year, twenty-eight to fifty-five; third year, fifty-six or more.

### RIGHT TO DROP STUDENTS

The right is reserved by the University to drop any student from the University, or from any class or classes, whenever, in the interest of the student or the University, the University administration deems it advisable to do so.

### STUDENT LIFE

#### ELIGIBILITY FOR STUDENT ACTIVITIES

Control and direction of all student activities are vested in the Committees on Extracurricular Activities and Student Relationships, which in turn are subject to the supervision and control of the President's Council.

The following rules apply to activities which are open to all students registered in the University:

The faculty adviser of each activity shall be held responsible for the verification, through the Office of the Registrar, of the eligibility of all participants. In activities which have no faculty adviser, the ranking student officer shall verify, through the Office of the Registrar, the eligibility of all participants and shall submit the eligible list to the Committee on Eligibility for approval.

#### I. ACADEMIC AND SOCIAL CLUBS OR SOCIETIES

Students on probation may not be officers or chairmen of committees.

#### II. CAMPUS AND INTRAMURAL ACTIVITIES\*

1. Except where such activities may be of a graduate nature, membership or participation is restricted to undergraduate students registered for at least six semester-hours and not on probation.

2. Membership or participation is limited to not more than four years in any one activity at this University.

3. Students are ineligible after having been registered for six years in any institution of higher learning. Registration for any part of any year will count as a year of participation.

#### III. COMPETITIVE INTERCOLLEGIATE ACTIVITIES\*

1. To represent the University in any undergraduate competitive intercollegiate activity, students must be undergraduate candidates for a degree and not on probation.

\* A classification of student activities may be obtained from the Faculty Committee on Eligibility.



2. Such students must be registered for at least nine semester-hours for minor activities and at least twelve semester-hours for major activities.

3. Previous to each season of participation, except for freshman contests, students must have been in residence at this University at least two semesters or one semester and a summer session, during which they must have completed not less than eighteen semester-hours for minor activities or not less than twenty-four semester-hours for major activities.

4. No student may participate in any one intercollegiate activity for a total of more than three annual seasons at this University or elsewhere, exclusive of freshman competition.

5. Students are ineligible after having been registered for six years in any institution of higher learning. Registration for any part of any year will count as a year of participation.

#### LIVING ACCOMMODATIONS

##### MEN STUDENTS

For the benefit of nonresident men a register of rooms which have been inspected and approved is kept in the Office of the Director of Women's Personnel Guidance, where inquiries in respect to housing facilities should be addressed.

Single rooms usually range in price from \$20 to \$30 a month, and double rooms from \$10 to \$20 a month a person. Rooms, with board consisting of breakfast and dinner, cost from \$40 to \$50 a month a person.

It is advisable for students to reach the University two or three days before the opening of the term in order that they may become established in satisfactory living quarters before class work begins.

##### WOMEN STUDENTS

The Hattie M. Strong Residence Hall is open to women students registered in the University. This residence provides a comfortable home on the University Yard and near the center of Washington.

Forms for application for room reservations, together with detailed information about the dormitory, may be obtained from the Director of Women's Personnel Guidance, The George Washington University, Washington, D.C.

All women students under twenty-three years of age must have their residences approved by the Director of Women's Personnel Guidance, unless they are living with family or relatives. Registration is not complete until such approval is given.

#### PLACEMENT OFFICE

The Placement Office is maintained to assist graduates and students in finding positions for which their college work has prepared them, and to cooperate with employers who wish to fill vacancies. Enrollment is

open to alumni members and students of the University without charge for placement.

For further information address the Placement Office, The George Washington University, Washington, D. C.

#### STUDENT EMPLOYMENT

An employment service is operated to assist self-supporting students in finding employment. The University offers every possible assistance, but success in self-support depends upon the student himself.

Prospective students who expect to earn any part of their expenses and who do not have definite appointments to positions before coming to Washington should have the means of support for at least one semester. A minimum budget of \$100 a month is recommended.

Many out-of-town students secure positions in the departments of the Government in Washington by taking the United States Civil Service examinations in their home States. The hours of employment permit them to pursue a college course in the late afternoon and evening.

#### HEALTH ADMINISTRATION

The payment of the University fee entitles students to health services hereinafter described. Through reports from the students and University officials, the University attempts to keep informed as to all cases of illness among its students.

Medical privileges include: (1) the physical examination of all students entering from secondary schools;\* (2) three visits by the University physician or surgeon, office or home, in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) hospitalization, including board, medicine, and nursing in the University Hospital for not more than two weeks during a school year—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

This medical benefit does not include treatment for illness or disability incurred previous to the University term or prior to payment of the University registration fee.

Students are allowed, if they so desire, to engage physicians and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules: (1) The Director of Health Administration is empowered to limit or deny the medical benefits where, in his discretion, a student has, by his misconduct or breach of the rules of the University, made himself ineligible; (2) the Director of Health Administration has authority to determine the necessity and length of hospitalization; (3) students who

\* A charge of \$3 is made if a student fails to appear for a physical examination during the period set for this purpose.

have severed their connection with the University are ineligible for medical benefits; (4) students intending to train for athletic teams are required to pass a thorough examination at the beginning of each semester; (5) the above regulations apply also during the Summer Sessions of the University.

### COURSES OF INSTRUCTION

The courses of instruction in Law are listed on pages 27-35.

### THE DEGREES

Upon the satisfactory completion of the requirements of the Law School, the degree of Bachelor of Laws, Juris Doctor, or Master of Laws is conferred.

#### REQUIREMENTS FOR THE DEGREE OF BACHELOR OF LAWS

To be recommended for this degree a student must satisfy the admission, residence, and scholarship requirements and must complete the prescribed number of credits and required subjects.

#### RESIDENCE

The residence requirement for this degree is three academic years for full-time students or four academic years for students with limited schedules. A year's attendance in the late-afternoon classes for students with limited schedules is counted as residence for three fourths of a year. In the case of students admitted with advanced standing, at least one full year of this residence requirement must be spent in The George Washington University.

A student who at the end of any regular period of residence—the first semester, the second semester, or the summer session—has completed subjects which equal in semester-hours the total number of semester-hours required for the degree for which he is a candidate, but who has failed to complete the full residence requirements for that degree, must be in residence during additional periods sufficient to satisfy completely the residence requirements. In all such cases the student must be in residence during the entire period and must satisfy the attendance requirements of, and pass the examination in, at least one subject.

#### CURRICULUM

The credit requirement is eighty semester-hours. For the degree of Bachelor of Laws there shall be no required subjects except the subject of Moot Court.

#### PATENT LAW CURRICULUM

To provide training for students who plan to specialize in Patent Law, the courses in Substantive Patent Law, Patent Office Practice, and



Patent Moot Court are offered as third-year electives. They may be counted toward the degree of Bachelor of Laws or Juris Doctor, or they may be taken by qualified students not candidates for a degree.

#### SCHOLARSHIP

A general average of at least *C* (65) must be attained in the entire course for the LL.B. degree.

#### HONORS

The degree of Bachelor of Laws or of Juris Doctor "with distinction" will be awarded students who obtain a general average of *A* in the work for the degree.

#### REQUIREMENTS FOR THE DEGREE OF JURIS DOCTOR (J.D.)

To be recommended for this degree the student must have received the degree of Bachelor of Arts or an equivalent degree before beginning the study of Law. He must have completed a residence period of three academic years for full-time students or four academic years for students with limited schedules.

He must have been elected to the board of student editors of *The George Washington Law Review* in accordance with the requirements laid down by the Faculty for such election, and must have done acceptable work as a member of the board for one academic year.

#### CURRICULUM

For the degree of Juris Doctor the only required subjects shall be Moot Court, Current Decisions (service as student editor of the *Law Review*), and the course in Roman and Civil Law.

#### SCHOLARSHIP

Eighty semester-hours must be completed with a general average of at least *B* (75).

#### REQUIREMENTS FOR THE DEGREE OF MASTER OF LAWS

Candidates for the degree of Master of Laws must complete twenty semester-hours of work in subjects not counted toward the degree of Bachelor of Laws.

This degree will not be conferred until one academic year after the candidate receives the degree of Bachelor of Laws. All requirements must be completed in a period not exceeding two years after registration for the work for the degree.

#### CURRICULUM

For the degree of Master of Laws there shall be no specific required subjects except that only graduate or third-year subjects may be counted

toward that degree, and that all programs of all candidates for that degree shall be personally approved by the Dean of the Law School.

#### SCHOLARSHIP

All courses taken for the Master's degree must be completed with a grade of at least *C* in each subject and a general average of not less than *B*.

#### PLAN OF STUDY

No student will be permitted to register for second-year subjects unless first-year subjects have been taken or are being taken, and no registration for a third-year subject will be approved unless the second-year subjects have been taken or are being taken. The word "taken" is defined to mean registered, attended class a substantial part of the time, and taken the examination. It does not necessarily mean that the course has been passed.

Registration will not be approved for a subject unless the prerequisites for that subject as shown in the course of instruction have been met.

#### HOURS OF INSTRUCTION

The regular course for full-time students is given from 9.10 A.M. to 1 P.M. Employed students may take the regular course in the classes held at 5.10 and 6.10 P.M.

#### SUMMER SESSIONS

Work is conducted in the Law School during the Summer Sessions of the University. This work is in two terms of six weeks each. The requirements for admission for candidates for degrees are the same as those for the regular session. Students from other approved law schools may be admitted for the Summer Sessions only as unclassified students. Instruction is given by members of the regular Faculty and by teachers invited from other approved law schools. The Summer Sessions for 1938 will begin on June 13. The first term will end July 25. The second term will begin on July 26, and the Summer Sessions will end September 8. The following courses will be given: First term—Judicial Process, Contracts II, Conflict of Laws, and Government Corporations (including Municipal Corporations). In connection with the course in Government Corporations, there will be held during the last week of the term a symposium on Government Corporations. This will be a regular part of the course, but it may be attended by qualified senior or graduate students and by members of the bar. Second term—Torts, Domestic Relations, Administrative Law, and Security Transactions. Classes will meet in the late afternoon from 5.10 until 7. Four semester-hours' credit will be given for each subject completed.

The Summer Sessions for 1939 will begin on Monday, June 19. The first term will end July 31. The second term will begin on August 1

and end September 14. The following subjects have been tentatively scheduled for this session: Property I, Torts, Property III, Sales, Agency, Taxation, Business Associations, and Security Transactions. The final schedule will be announced in November 1938.

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For catalogues, application blanks, and further information, address the Director of Admissions, The George Washington University, Washington, D.C.



## COURSES OF INSTRUCTION IN LAW

The courses of instruction listed below are subject to some slight change. The University reserves the right to withdraw any course announced.

The number which precedes the name of a course indicates the semester in which that course is offered. An odd number indicates that the course is offered in the first semester; an even number, that it is offered in the second semester; and a double number (e.g., 157-58), that it begins in the first semester and continues in the second.

First-year courses are numbered from 101 to 200; second-year courses, from 201 to 300; third-year courses, from 301 to 400; and graduate courses, from 401 to 500.

The number of semester-hours of credit given for the satisfactory completion of a course is indicated in parentheses after the name of the course. Thus, a year course giving two hours of credit each semester is marked (2-2), and a semester course giving two hours of credit is marked (2).

### 105-6 *Civil Procedure* (2-2)

Benson, Mechem

The function and composition of pleadings; the relation of pleadings to proof. Emphasis will be placed upon reforms of pleading, as exemplified by modern code provisions and court rules, including the new Federal rules of procedure. Clark, *Cases on Pleading and Procedure*, one-vol. ed., 1934. Section A: Wed., 10.10 A.M., and Thurs., 9.10 A.M.; section B: Tues., 5.10 and 6.10 P.M.

### 111-12 *Contracts I* (2-2)

McIntire, Ward

Promissory obligations covering the formalities of offer and acceptance, consideration, statute of frauds, formal instruments, rights of third parties, assignments, and joint obligations. Williston, *Cases on Contracts*, 4th ed. Section A: Mon., 9.10 A.M., and Thurs., 12.10 P.M.; section B: Mon., 5.10 and 6.10 P.M.; section C: Tues., 5.10 and 6.10 P.M.

### 114 *Contracts I Special* (4)

Ward

Content same as Law 111-12. Mon. and Tues., 5.10 and 6.10 P.M.

### 123-24 *Criminal Law and Procedure* (2-2)

Compton, Kirkland

Criminal act and intent; motive; mistake; criminal negligence; statutory crimes; solicitation, attempt; assault and battery;

mayhem; false imprisonment; homicide; rape; larceny and related offenses; burglary; arson; parties in crime; constitutional provisions; criminal procedure; evidence. Harno, *Cases and Other Materials on Criminal Law and Procedure*. Section A: Thurs., 11.10 A.M., and Fri., 10.10 A.M.; section B: Thurs., 5.10 and 6.10 P.M.; section C: Wed., 5.10 and 6.10 P.M.

126 *Criminal Law Special* (4)

Kirkland

Content same as Law 123-24. Thurs. and Fri., 5.10 and 6.10 P.M.

- 129-30 *Judicial Process and the Use of Legal Materials* (2-2) Benson  
Introduction to the study of law; development of English courts, procedure, legal profession, and law books; organization of American courts and legal profession; use of law books; study of trial procedure. Benson and Fryer, *Readings on the Study of Law and the Anglo-American Legal System*; Arnold and James, *Cases on Trials, Judgments, and Appeals*. Section A: Tues. and Wed., 9.10 A.M.; section B: Tues., 5.10 and 6.10 P.M.; section C: Mon., 5.10 and 6.10 P.M.

Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., first term.

133-34 *Property I* (2-2)

Fryer, Larremore

Actions concerning chattels and documentary intangibles; the concepts of property, possession, and ownership; bailments, liens, pledges, fixtures, and emblements. Bohlen, *Appendix to Cases on Conversion*, 3d ed., 1933, with supplementary materials; Fryer, *Readings on Personal Property*, 3d ed., 1938; Larremore, *Cases on Personal Property*. Section A: Wed., 12.10 P.M., and Fri., 9.10 A.M.; section B: Fri., 5.10 and 6.10 P.M.; section C: Thurs., 5.10 and 6.10 P.M.

137-38 *Property II* (2-2)

Spaulding

Real property; introduction; estates; seisin; landlord and tenant; future interests at common law and under the statutes of uses and wills; merger; elementary study of remoteness and powers; adverse possession; prescription; natural rights. Fraser, *Cases on Property*, vols. I and II. Section A: Tues., 11.10 A.M., and Fri., 12.10 P.M.; section B: Wed., 5.10 and 6.10 P.M.

141-42 *Torts* (2-2)

Van Vleck, Ward

Civil liability for harms to legally protected interests. Topics include assault, battery, imprisonment, trespass, conversion, deceit, defamation, malicious prosecution, strict liability, negligence, affirmative duties, privilege, and legal causation. Section

A: Mon., 11.10 A.M. and 12.10 P.M. (Beale's edition of Ames and Smith, Cases on Torts); section B: Wed., 5.10 and 6.10 P.M. (Bohlen, Cases on Torts); section C: Fri., 5.10 and 6.10 P.M. (Bohlen, Cases on Torts).

Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., second term (Ward).

201-2 *Agency* (2-2)

Problems of agency in the conduct of business; partnerships. (Not offered in 1938-39)

Summer Sessions 1939 (4)—daily except Sat., 5.10 and 6.10 P.M., one term.

209-10 *Bills and Notes* (2-2)

Oppenheim  
Bills of exchange, promissory notes and checks, especially under the Negotiable Instruments Law; form and inception; principles of negotiability; indorsements; holders in due course; banker-depositor relationships; liability of maker and acceptor, drawer and indorser; discharge. Britton, Cases on Bills and Notes, 2d ed. Section A: Tues. and Wed., 9.10 A.M.; section B: Mon., 5.10 and 6.10 P.M.

213-14 *Constitutional Law I* (2-2)

Collier  
Historical introduction to American Constitutional Law; judicial approach and methods in dealing with questions of constitutional law; nature of justiciable controversies; doctrine of the separation of powers; powers of the National Government separately considered; the Federal system; relation of the State courts and the Federal courts. Dodd, Cases on Constitutional Law, 2d ed., 1937. Section A: Tues. and Fri., 11.10 A.M.; section B: Tues., 5.10 and 6.10 P.M.

221-22 *Contracts II* (2-2)

Moll  
Performance; conditions express and implied; effect of plaintiff's failure to perform his promise; impossibility; illegality; quasi-contractual recovery in contract cases. Williston, Cases on Contracts, 4th ed.; Thurston, Cases on Quasi-Contracts. Section A: Thurs. and Fri., 12.10 P.M.; section B: Thurs., 5.10 and 6.10 P.M.

Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., first term.

231-32 *Equity I* (2-2)

Spaulding  
Specific performance of contracts; equitable conversion, rights of third parties; statute of frauds; part performance with compensation; mutuality; conditions; fraud; mistake, hardship;



equitable servitudes; powers of a court of equity; effect and enforceability elsewhere of its decrees. Chafee and Simpson, *Cases on Equity*. Section A: Mon., 10.10 A.M., Wed., 11.10 A.M. and 12.10 P.M., and Thurs., 11.10 A.M.—*first semester only*; section B: Fri., 5.10 and 6.10 P.M.

- 241-42 *Evidence* (2-2) Latimer, Fryer  
Functions of court and jury; witnesses; hearsay, opinion and circumstantial evidence; proof of authenticity, and contents of writings. Hinton, *Cases on Evidence*, 2d ed., 1931. Section A: Mon., 10.10 A.M., Wed., 11.10 A.M. and 12.10 P.M., and Thurs., 11.10 A.M.—*second semester only*; section B: Mon., 5.10 and 6.10 P.M.

- 251-52 *Property III* (2-2) Benson  
Conveyances, rents, easements, profits, licenses, covenants running with the land, and recording; formation and revocation of wills; testate and intestate succession. Kirkwood, *Cases on Conveyances*; Mechem and Atkinson, *Cases on Wills and Administration*. Mon., 12.10 P.M., and Fri., 9.10 A.M.  
Summer Sessions 1939 (4)—daily except Sat., 5.10 and 6.10 P.M., one term.

- 303-4 *Administrative Law* (2-2) Davison  
Separation of powers of modern governments; legislative setting for administrative bodies; judicial control of administrative action, public utilities, taxation, alien laws, Federal trade commission, workmen's compensation, etc. Frankfurter and Davison, *Cases on Administrative Law*. Section A: Mon. and Tues., 11.10 A.M.; section B: Mon., 5.10 and 6.10 P.M.  
Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., second term.

- 311-12 *Business Associations I* (2-2) Compton  
Forms of associations used by modern industry, finance, and general business; legal requirements as to contributions of capital; powers and rights of corporations, corporate officials, and shareholders; meetings and other forms of joint action. Frey, *Cases on Business Associations*. Section A: Wed., 10.10 A.M. and Fri., 11.10 A.M.; section B: Fri., 5.10 and 6.10 P.M.

- 315-16 *Conflict of Laws* (2-2) Van Vleck  
Study of cases involving foreign elements; principles of jurisdiction and limitations upon its exercise; procedure, torts, workmen's compensation, contracts, property, family law, administration of estates, business associations. Cheatham, Dowling,

and Goodrich, Cases on Conflict of Laws. Section A: Wed. and Thurs., 11.10 A.M.; section B: Thurs., 5.10 and 6.10 P.M.

Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., first term.

**321-22 Current Decisions (2-2)**

McIntire

Required of, and limited to, members of the student staff of the Law Review.

**324 Equity II (2)**

Spaulding

Equitable remedies in general; interpleader; bills of peace; removal of cloud; cancellation; reformation; mistake; injunctions against torts; defenses to specific relief. When given as a year course, it includes defamation and material on protection of public and social interests. Chafee, Cases on Equitable Relief against Torts; Chafee, Cases on Equitable Remedies. Mon., 5.10 and 6.10 P.M.

**326 Federal Jurisdiction (2)**

Davison

Constitutional origins and powers of courts in the Federal judicial system; sources of law applicable to disputes in Federal courts; business and extent of jurisdiction of Federal courts. Frankfurter and Shulman, Cases on Federal Jurisdiction. Thurs., 5.10 and 6.10 P.M.

**329 Insurance (2)**

Current problems of insurance law in relation to insurance institutions and business practices, including historical development but emphasizing especially technical analysis of legal doctrines. Subjects include insurance carrier; interests protected by insurance; selection and control of risks; distribution of coverage. Patterson, Cases on Insurance. (Not offered in 1938-39)

**331 Labor Law (2)**

Larremore

Legality of collective action, of ends sought thereby and of means used in labor controversies; strike, picketing, boycott, union label, anti-union contracts, lockout, blacklist, trade agreements; limitations on labor injunctions; scope and validity of Federal jurisdiction in labor controversies. Landis, Cases on Labor Law. Mon., 5.10 and 6.10 P.M.

**334 Legislation (2)**

Davison

A study of the problems and principles of legislation. Tues., 5.10 and 6.10 P.M.

**335-36 Moot Court (2-2)**

Latimer, Cox, Hall, Gordon, Edgerton

Open only to students who have completed fifty semester-hours.

Prerequisite: Law 105-6 and 241-42. Section A: Sat., 9.10 and 10.10 A.M.; section B: Wed., 5.10 and 6.10 P.M.

- 345-46 *Patent Law (2-2)* Sutton  
 Substantive patent law: patents; conditions precedent to the grant; reissues; disclaimers; property rights in patents; State and Federal regulation; enforcement of patents; Patent Office practice; analysis of the Rules of Practice and appeal and interference procedure. Mon., 5.10 and 6.10 P.M.
- 349-50 *Patent Moot Court (2-2)* Coe  
 This course may be elected instead of Law 335-36 to satisfy the Moot Court requirement. Both subjects may not be counted toward a degree. Wed., 5.10 and 6.10 P.M.
- 352 *Persons and Domestic Relations (2)* Compton  
 Forms of family organization; the contract to marry; marriage; husband and wife; parent and child; family disorganization without judicial decree; annulment; divorce and separation. Jacobs, Cases and Materials on Domestic Relations. Tues., 5.10 and 6.10 P.M.  
 Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., second term.
- 353 *Public Utilities (2)* Davison  
 What businesses are affected with a public interest; limits of regulation of businesses affected with public interest; withdrawal from public service; ascertainment of value of property used for the public service and the fixing of adequate rates of return. Welch et al., Cases on Public Utility Regulation. Thurs., 5.10 and 6.10 P.M.
- 359-60 *Sales (2-2)* Oppenheim  
 Transfer of property rights to chattels in various types of sales; documents of title and financing; rights and remedies of seller and buyer as to price, security, warranties, and inspection; third parties; effect of fraud; statute of frauds. Williston and McCurdy, Cases on Sales, 1932 ed. (Not offered in 1938-39)  
 Summer Sessions 1939 (4)—daily except Sat., 5.10 and 6.10 P.M., one term.
- 363-64 *Security Transactions (2-2)* Fryer  
 Problems arising in connection with the creation of security interests in real and personal property, their transfer, enforcement and extinguishment. The course will also deal with the more important problems in the field of suretyship and guaranty. Casebook to be announced. (Not offered in 1938-39)



Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., second term.

371-72 *Taxation* (2-2)

Collier

Emphasis is placed on the Federal estate tax and the Federal income tax. Attention is paid also to State inheritance and income taxes. Problem of jurisdiction to tax, construction of tax statutes, methods of judicial review of administrative actions in the tax field, modern excise taxes on business concerns. Magill and Maguire, *Cases on Taxation*, 1936 ed. Section A: Mon. and Thurs., 10.10 A.M.; section B: Fri., 5.10 and 6.10 P.M.

375-76 *Trade Regulation* (2-2)

Oppenheim

Unfair trade practices, combination and monopoly at common law and under various statutes; trade-marks; business torts; Sherman Antitrust Act; Federal Trade Commission and Clayton Acts; marketing, price and patent practices; Fair Trade Acts; mergers; trade associations; remedies. Oppenheim, *Cases on Trade Regulation*. Section A: Mon. and Thurs., 9.10 A.M.; section B: Thurs., 5.10 and 6.10 P.M.

381-82 *Trusts* (2-2)

Moll

Nature of a trust; creation of trust; elements of trust; charitable trusts; resulting and constructive trusts; administration of trusts; liabilities to third persons; transfer of interest of cestui que trust; persons bound by a trust; termination of a trust. Scott, *Cases on Trusts*, 2d ed. Section A: Tues. and Fri., 10.10 A.M.; section B: Wed., 5.10 and 6.10 P.M.

403-4 *Administrative Law II* (2-2)

Davison

A research seminar course in special problems, including the study of specific administrative agencies, Federal or State. Wed., 5.10 and 6.10 P.M.

405 *Admiralty* (2)

Alden

Federal and State jurisdiction; jurisdiction over waters, craft, contracts, torts, crimes, in equitable matters, etc.; laws applicable to maritime workers and maritime liens. Sayre, *Cases on the Law of Admiralty*. Wed., 5.10 and 6.10 P.M.

407 *Bankruptcy* (2)

Jurisdiction of subject matter, of persons; prerequisites to adjudication: in voluntary proceedings, in involuntary proceedings; administration; discharge; the amendments since 1933. Preparation of papers in bankruptcy proceedings. Case book to be announced. (Not offered in 1938-39)

- 411 *Business Associations II* (2) Compton  
 Promotion; corporate stock; corporate bonds, capitalization; sale of securities; syndicate underwriting; surplus and dividend policies; expansion; intercorporate relations; holding companies, failure; reorganization. Preparation of articles of incorporation. Case book to be announced. Tues., 5.10 and 6.10 P.M.
- 421-22 *Constitutional Law II* (2-2) Collier  
 A research seminar course in contemporary problems in constitutional law; special emphasis on interstate-commerce cases and due process of law. Mon., 5.10 and 6.10 P.M.
- 426 *Government Corporations* (2) McIntire  
 A research seminar course in organization, powers, functions, and legal relations of functional governmental units separately incorporated. Fri., 5.10 and 6.10 P.M.  
 Summer Sessions 1938 (4)—daily except Sat., 5.10 and 6.10 P.M., first term.
- 431-32 *International Law* (2-2) Murdock  
 Decisions of national courts and international tribunals; national legislation and treaties to ascertain the nature, sources, substantive law, and judicial procedure applicable to the rights and duties of states, including a study of nationality laws. Hudson, *Cases on International Law*, 2d ed. Tues., 5.10 and 6.10 P.M.
- 436 *Interstate Commerce Commission Law and Procedure* (2) Miller  
 Commerce clause of the Constitution as related to regulation of carriers; regulation of interstate rail carriers by the States; Interstate Commerce Act; the Interstate Commerce Commission; jurisdiction; practice and procedure before the Commission; judicial review. Miller, *Cases and Materials on Interstate Commerce Commission Law and Procedure*. Wed., 5.10 and 6.10 P.M.
- 437 *Labor Relations Regulation* (2) Ward  
 Law of relations between workers and management under the National Labor Relations Act as developed by the National Labor Relations Board and courts; specific principles governing collective bargaining, appropriate units, elections, interference with employee rights, discrimination, company unions, administrative remedies, and practice. Thurs., 5.10 and 6.10 P.M.

- 439 *Municipal Corporations* (2) McIntire  
Organization, powers, functions, and legal relations of local  
governmental units. Tooke, *Cases on Municipal Corporations*,  
2d ed.; McIntire, *Supplementary Materials*. Fri., 5.10 and  
6.10 P.M.
- 441-42 *Roman Law and Principles of the Civil Law* (2-2) Moll  
Historical introduction; sources and forms of the law, juristic  
acts; exercise and protection of rights; law of persons; law of  
property; law of obligations. Pound, *Readings in Roman Law*;  
mimeographed materials. Tues., 5.10 and 6.10 P.M.
- 451-52 *Trade Regulation II* (2-2) Oppenheim  
A research seminar course in specific problems of trade regula-  
tion. Fri., 5.10 and 6.10 P.M.





# DEGREES CONFERRED

1937-38

## BACHELOR OF LAWS

JUNE 9, 1937

Beiser, William Gordon, Jr. A.B. 1932, The Citadel	S.C.	Hawes, Katherine Norman A.B. 1935, Cornell University	D.C.
Beech, Paul Raymond A.B. 1933, University of South Carolina	D.C.	Hill, Samuel Thomas A.B. 1932, The George Washington University	N.C.
Brooks, Jesse Howard A.B. 1936, Oberlin College	Mont.	Hobbs, Constance Mack Hobbs, Winston Ellis	Ind. Md.
Buckley, Carper W. A.B. 1935, Dartmouth College	Va.	Hochstetler, Omer Stanislaw	Wis.
Buckley, Richard Randolph A.B. 1935, The George Washington University	Va. Ohio	Hoffman, Charles Nantz A.B. 1936, State University of Iowa	Iowa
Budleke, Richard Anthony A.B. 1935, The George Washington University	Utah	Holmes, Robert Bushfield Holmes, Wade Coleman	Idaho Vt.
Cameron, Wanda Mitchell Conkey, John G. III Cook, Millard James Curtiss, Ralph Edward Dalby, Dent D. A.B. 1933, University of Utah	Utah Mo. Nebr. Wash. Utah	A.B. 1935, M.B.A. 1927, Harvard University H. . . . . Earl Weddlerburn B.S. 1936, University of Wisconsin	Ill.
Danielson, Emma Louise A.B. 1934, Mount Holyoke College	D.C.	James, Leonard Elmer B.S. 1934, College of William and Mary	Va.
deHass, Miriam Miliken A.B. 1932, The George Washington University	D.C.	Jessup, Gerald Lutzmager A.B. 1935, The George Washington University	Okla.
Dickman, Carroll Hilliard A.B. 1933, Pennsylvania State College	Pa.	Kaiser, Charles William B.S. 1931, University of Nebraska	Kans.
Donolo, Dennis Haskell Dowle, William Edward Draper, Courtney Rogers Easterwood, Oliver Perry, Jr. A.B. 1933, University of Denver	Fla. Calo. Utah N.Mex.	Kappeler, Elmer James A.B. 1935, Ohio State University	Ohio
Eckerman, Howard Porter A.B. 1932, The George Washington University	Iowa	LeBoer, Charles Lee Lamb, Philip Everett Lawson, Walter Wilson, Jr.	Mass. Maine D.C.
Ely, Albert Love, Jr. M.F. 1933, Cornell University	Ohio	Lee, John William Pear, C. . . . . B.S. 1930, University of Oklahoma	Mo.
Fennell, Frederick L. Bruce A.B. 1932, Lincoln Memorial University	Tenn.	M.S. 1932, University of Michigan Lloyd, Margaret Mabel A.B. 1935, University of Southern California	Calif.
Foster, Frank Fwing B.S. 1932, Carnegie Institute of Technology	Pa.	Lockwood, Carmon Reese, Jr. A.B. 1935, The George Washington University	Ohio
Forley, Edward George B.S. 1927, Utah State Agricultural College	D.C.	Lubin, James Robert, Jr. A.B. 1934, University of Utah	Utah
Gecensk, Ruth George, Paul Eugene Gibson, George Edward A.B. 1934, University of Oklahoma	N.J. Ind. Okla.	Lord, Dew M. Clinton Lundy, Raleigh Newell A.B. 1935, The George Washington University	Ill. D.C.
Gibson, Hal Templeton A.B. 1935, Vanderbilt University	Tenn.	MacGowan, Ben B.S. 1935, University of Virginia	D.C.
Gillard, Joseph Rogers, Jr. A.B. 1934, University of Michigan	Mich.	Margaret, Bernard (With distinction) A.B. 1935, The George Washington University	D.C.
Giffin, John Smith Hall, Robert F. Lee A.B. 1932, The George Washington University	Utah Ga.	McGuire, Olie R. . . . . Miller, Jack Julius Miller, Kenneth Keith A.B. 1934, The George Washington University	Va. Calif. Mich.
Handloff, Alvin I. A.B. 1934, University of Delaware	Del.		
Haslam, Reuben	Utah		

Moore, Winsor Carl A.B. 1916, Central Y.M.C.A. College	Ill.	Stull, Neil Francis B.S. 1921, Ohio State University	D.C.
Nelson, Manford Edward	Iowa	Swagye, John M. Farland	Kans.
Nichols, Emery Lewis	Calif.	A.B. 1934, The George Washington University	
O'Connor, Maurice A.B. 1914, Dartmouth College	Iowa	Swape, Edwin Leon	N Mex. Ohio
Oermann, Oskar Paul	Ind.	Syler, Frederic Lowell	
O'Malley, Lawrence Joseph	Nebr.	B.S. 1927, Ohio State University	N.Dak.
Parks, Wallace Judson	Md.	Taylor, Dale Eckles B.S. 1935, University of Nebraska	Pa. Ohio
A.B. 1912, Williams College		Theodore, Jerome	
A.B. 1913, Dartmouth College		Underwood, Raymond	
Pluge, John Ade B.S. 1929, M.S. 1930, Massachusetts Institute of Technology	Md.	B.S. 1929, Massachusetts Institute of Technology	Ky.
Price, Henry Ellis A.B. 1931, Emory University	Ga.	Vaughan, Robert McNeal A.B. 1933, Duke University	Ky.
Proctor, Adolphus M.	Ark.	Vincent, Clyde Earl	
A.B. 1934, Baylor University		A.B. 1927, Western Kentucky State Teachers College	
Rakowski, Stanley	D.C.	A.M. 1931, University of Kentucky	Utah
Redinow, Allan Raymond	Ohio	West, Wilburn Clyde	W.Va.
B.S. 1931, Catholic University of America		Wheatley, Altha Conner A.B. 1932, Marshall College	W.Va. Maine
Rhyne, Charles Sylvanus	N.C.	Wheatley, George Henry	
Richmond, David Walker	Kans.	Whiting, Charles Jonathan	Pa.
Richards, Eugene Joseph B.S. 1928, University of Maryland	D.C.	Graduate 1936, U. S. Naval Academy	
Romney, Charles Wilken	Utah	Wingard, Jay Frantz	N.Y.
Romtree, George, Jr.	Ga.	A.B. 1927, Ohio Northern University	Tex.
Schwarz, Benjamin Klein	D.C.	Witter, George Daniel	Pa.
A.B. 1933, The George Washington University		Woods, Warren	
Sinclair, Lee Duroe	S.Dak.	Yinger, Harry Lloyd B.S. 1933, The George Washington University	Wis. Conn.
Safford, Zebulon Hopkins	Md.	Yost, Robert Charles	
Stayton, William Henry, Jr.	Del.	Yules, Herman	
Stickgold, Simon	Ill.	A.B. 1933, Yale University	

## FEBRUARY 22, 1938

Adams, Glendor Whipple B.S. 1932, University of Utah	Utah	Gardner, Marion Edward A.B. 1931, Berea College	Ky.
Alexander, Theodore Mack A.B. 1935, The George Washington University	Calif.	A.M. 1932, University of Illinois	Va.
Allen, Walton S.	Okla.	Goodrich, Ernest W. A.B. 1935, College of William and Mary	Va.
Arnold, Harold Arthur Parks A.B. 1937, Washburn College	Kans.	Harris, John Ashton A.B. 1932, University of Richmond	Mass.
Ash, Ara Russell, Jr. A.B. 1934, William Jewell College	Okla.	Henderson, Ruth Anthony A.B. 1928, Wilson College	Tex. La.
Bassler, Anna Bowden A.B. 1924, A.M. 1930, The George Washington University	Ark.	Hollimon, Blaine, Jr. Hosier, Edwin Ford, Jr.	Md.
Bentley, Oace Marbury B.S. 1920, Howard College	Ala.	Kerslake, Youart Herbert B.S. 1933, Haverford College	Tex.
Blaine, James William	Idaho	Krimbill, Jack Bearse	Hawaii
Bowes, Theodore Leon B.S. 1928, University of Illinois	Va.	Miho, Katsuro	Md.
Burr, Harry Paul A.B. 1932, University of Maryland	Md.	Milans, Calvin Harley	Del.
Call, Edmund Rust	Kans.	Mitchell, William Wilson B.S. 1928, University of Idaho	Ill.
Crossmiller, LePage, Jr. B.S. 1924, St. John's College	Md.	Moran, George Joseph	Ariz.
Dawson, Donald Shelton A.B. 1930, University of Missouri	Mo.	Moran, Donald Joseph New Carlton, Letas	Pa.
Denne, Walter Edward A.B. 1932, University of Toledo	Ohio	B.S. 1931, Gettysburg College	Idaho
DeVern, Joseph Harold B.S. 1931, University of Pennsylvania	Md.	Naylor, Walter Kent	Nebr.
Dyas, Richard Campbell	Ill.	Nelson, Harold Fletcher A.B. 1927, University of Nebraska	Minn.
Fisselmann, Ben William A.B. 1934, University of Dubuque	Iowa	Omtvedt, J. Norman B.S. 1930, University of Minnesota	N.Dak.
Gammans, Robert Trafton B.S. 1931, Massachusetts Institute of Technology	Mass.	Olga, John Gordon B.S. 1934, University of North Dakota	Iowa
		Pierces, William Theodore	Ky.
		Plum, Thomas Alfred	Nebr.
		Rice, Charles Lawrence	N.Y.
		Smith, John George, Jr.	



Stanley, Berry Wall A.B. 1934, William Jewell College	Mo.	Wolf, Alan Maxwell A.B. 1933, Dickinson College	Pa.
Trammell, Charles Monroe, Jr. A.B. 1933, The George Washington University	Fla.	Wright, James Ores B.S. 1934, North Carolina State College	Va.
Vogel, Mart Rolfe Wagstaff, W. Stanford	N.Dak. Utah	Zuras, Maria Amelia A.B. 1934, American University	D.C.

## MASTER OF LAWS

JUNE 9, 1937

Cooper, Basil Pearson B.S. 1928, Virginia Military Institute LL.B. 1931, Harvard University	Ky.	Markwell, Katherine A. A.B. 1928, University of Kansas LL.B. 1935, The George Washington University	Kans.
Diamond, Harold Henry B.B.A. 1935, Boston University LL.B. 1936, The George Washington University	N.Y.		

FEBRUARY 22, 1938

Connelly, John Waldo, Jr. B.S. 1924, Georgetown University A.B. 1928, LL.B. 1927, The George Washington University	Va.	Sailor, Hobart Andrew Graduate 1918, U. S. Naval Academy LL.B. 1933, The George Washington University	Ohio
Hardman, Ralph Stevens A.B. 1933, University of Minnesota LL.B. 1936, The George Washington University	Minn.	Sherby, Raphael A.B. 1933, LL.B. 1936, The George Washington University LL.M. 1937, Harvard University	D.C.

## JURIS DOCTOR

JUNE 9, 1937

Arlidge, Richard E. A.B. 1930, University of New Mexico	N.Mex.	Knight, Wayne H. A.B. 1933, University of Utah	Utah
Buckner, Elmer Alfred B.S. 1933, Oregon State College	Oreg.	LaFarge, Charles Arth. A.B. 1929, Stanford University	Wash.
Covington, Halstead Shaw (With distinction) Graduate 1922, U. S. Naval Academy	N.C.	Lechluter, Irvin A.B. 1932, University of Nebraska	Nebr.
DeFelce, Anthony Richard A.B. 1932, Wesleyan University	N.J.	Marron, Cyril Quentin Graduate 1923, U. S. Military Academy	Colo.
Foster, Bernard Augustus, Jr. A.B. 1931, Willard College	S.C.	Marshall, Ora Lee A.B. 1934, A.M. 1932, The George Washington University	Ky.
Harvey, John Augustus (With distinction) B.S. 1931, University of Illinois	D.C.	McMahan, Kenneth Mathew Graduate 1922, U. S. Naval Academy	Ohio
Hersman, Elbert George A.B. 1930, State University of Iowa	Iowa	Mitchell, Emley Floyd A.B. 1933, A.M. 1931, The George Washington University	Md.
Hottelstein, David A.B. 1932, Western Maryland College	Md.	Moss, Frank Edward A.B. 1933, University of Utah	Utah
Jennings, William Fergusen Graduate 1922, U. S. Naval Academy	Fla.	Reynolds, Charles Ransom, Jr. A.B. 1934, Williams College	D.C.
Johann, J. Russell (With distinction) A.B. 1927, University of Texas M.B.A. 1929, Harvard University	Mo.	Stout, Reid Albert A.B. 1933, University of Utah Underhill, Wingate Emerson B.S. 1930, University of North Carolina	Utah N.C.
Kutelle, Sumner Sigbee (With distinction) B.S. 1931, Purdue University	N.Y.	Woody, Edwin Elmore Graduate 1922, U. S. Naval Academy	Vt.

FEBRUARY 22, 1938

Briggs, Reid Richmond A.B. 1932, Stanford University	Calif.	Von Uden, Robert Thomas B.S. 1933, University of Idaho	Idaho
Marrison, Margaret Mettill B.S. 1933, Utah State Agricultural College	Utah	Wilson, George Wood, Jr. A.B. 1933, University of North Carolina	N.C.
Mortimer, George Harding (With distinction) B.S. 1925, Brigham Young University	Utah		



## STUDENTS REGISTERED

1937-38

The names of all students registered in the Law School during the academic year 1937-38 are listed below in alphabetical order. Roman numerals indicate the year of the course in which the student is registered.

Students who withdrew at the close of the first semester by graduation are indicated by an asterisk (\*); others who were registered for the first semester only are indicated by a dagger (†); students registered for the second semester only are indicated by a double dagger (§).

†Ableman, Percival Joseph (Law I)	Del.	Andersen, Daniel J. (Law II)	N.Y.
A.B. 1934, University of Delaware		A.B. 1937, The George Washington University	
†Abraham, Alexander (Law I)	N.Y.	Anderson, Garfield O. (Law III)	Utah
A.B. 1933, Brooklyn College		A.B. 1934, University of Utah	
A.M. 1935, Columbia University		Anderson, Howard Jeremy (Law II)	Utah
Abrahamowitz, Abraham (Law I)	N.Y.	A.B. 1936, University of Utah	
A.B. 1935, Brooklyn College		†Anderson, Lucy Wadsworth (Law II)	Va.
Abrams, Edward (Law I)	N.Y.	Anderson, Wendell B. (Law I)	Utah
B.S. 1933, College of the City of New York		B.S. 1935, Utah State Agricultural College	
Adams, Bernard William (Law II)	D.C.	Andersen, Arden Leedy (Law I)	D.C.
A.B. 1933, University of Minnesota		Archer, James Edwin (Law III)	Tex.
Adams, Louis Marjory (Law III)	Ohio	B.S. in Ch.E. 1932, Rice Institute	
A.B. 1936, The George Washington University		M.S. in Ch.E. 1934, Massachusetts Institute of Technology	
Adams, Thomas Tunstall (Law II)	Va.	Arnold, Charles Weaver (Law I)	Tenn.
B.S. 1937, The George Washington University		A.B. 1937, Vanderbilt University	
Aker, Howard Carleton (Law I)	Mont.	*Ash, A. Russell (Law III)	Okla.
A.B. 1933, University of Montana		A.B. 1934, William Jewell College	
†Aichele, George (Law I)	Ill.	†Asher, Philip Gillespie (Law I)	Mo.
B.S. 1932, University of Illinois		B.S. in Ed. 1935, Missouri State Teachers College (Southeast)	
Alexander, Frederick (Law II)	Conn.	Atwood, Newell Annisworth (Law I)	Mich.
A.B. 1936, Vassar College		A.B. 1932, University of Michigan	
M.D. 1930, Cornell University Medical School		As, Mary Elizabeth (Law I)	Pa.
Alfaro, Eduardo (Law III)	Panama	A.B. 1936, Lebanon Valley College	
Alfred, Leonard Bertram (Law III)	Okla.	A.M. 1933, Pennsylvania State College	
A.B. 1933, University of Oklahoma		Axtell, Richard William (Law II)	Idaho
Aliese, Kent Duval (Law III)	Md.	A.B. 1936, University of Idaho	
†Alker, Robert Thomas (Law I)	Pa.	†Ayre, Josephine (Law II)	Tenn.
B.Arch. 1933, University of Pennsylvania		B.B.A. 1934, University of Chattanooga	
Allen, Harwell Leonard (Law I)	La.	M.S. 1935, University of Virginia	
A.B. 1936, Louisiana College		Babbitt, Almon William (Law II)	Ariz.
Allen, Moose (Law I)	Iowa	Bachman, Leo Adolph (Law I)	D.C.
Allen, Walton Stanley (Law III)	Okla.	Graduate 1924, U. S. Naval Academy	
Alison, Samuel Francis (Law I)	Pa.	Bailey, Howard Linton (Law I)	W.Va.
A.B. 1925, B.S. 1927, Susquehanna University		A.B. 1937, Marshall College	
Almger, Frederick Justin (Law I)	Ala.	Bailey, James Keck (Law II)	Pa.
B.S. 1924, Alabama Polytechnic Institute		A.B. 1935, Thiel College	
Alpert, Rena Grace (Law I)	D.C.	Baker, John Walton (Law III)	Mich.
A.B. 1936, Hunter College		Baldwin, Thomas Robinson (Law I)	D.C.
Alsup, William Wallace (Law II)	Utah	B.S. in Ch.E. 1932, The George Washington University	
Ames, Harry Clinton, Jr. (Law III)	D.C.	Ball, Edward Lee (Law II)	Ala.
A.B. 1936, The George Washington University		Ball, Frederic Joseph (Law I)	Ohio
Andersen, Arthur Olaf (Law I)	D.C.	A.B. 1925, Heidelberg College	
B.S. 1933, Worcester Polytechnic Institute		†Ballinger, Willis Jerome (Law I)	Md.
		Ph.D. 1923, Yale University	



Banks, Don H. (Law I)	Utah	Benner, James Harrison (Law I)	Md.
Banks, Elizabeth Anna (Law I)	Conn.	A.B. 1935, University of Maryland	
A.B. 1932, The George Washington University		Bennett, Lorenzo Thompson, Jr. (Law, LL.M.)	Mich.
Bannerman, Graeme Campbell (Law, LL.M.)	D.C.	LL.B. 1936, The George Washington University	
B.S. 1931, Hamilton College		Bennett, Millard MacDonald (Law I)	S.Dak.
LL.B. 1936, The George Washington University		A.B. 1937, Yankton College	
Bannon, Francis L. (Law I)	Wash.	Benning, Adam Young (Law II)	Utah
Baptist, Thomas Goode (Law III)	Va.	A.B. 1935, University of Utah	
Barber, Stuart Bogart (Law II)	Ark.	B.S. 1933, University of Utah	Utah
A.B. 1934, Dartmouth College		Betens, Robert James (Law I)	Minn.
Barbour, Robert Taylor (Law I)	Md.	B.B.A. 1936, University of Minnesota	
Barger, Alphonso Sledge (Law II)	Ala.	Berger, Nedwan Gethard (Law I)	D.C.
B.S. 1932, Howard College		B.S. in M.E. 1932, University of Kansas	
Barker, Ernest Milton (Law I)	Ga.	Bergstrom, Kenneth O. (Law III)	Minn.
B.S. 1935, University of Arkansas		A.B. 1932, Gustavus Adolphus College	Okla.
Barnes, Joseph Francis (Law I)	Va.	Berndt, Leo (Law II)	Va.
B.S. in Eng. 1931, University of Michigan		Bernheimer, Norman (Law II)	Tex.
Barton, Blayney Jones (Law III)	Utah	Berrymann, Houd (Law II)	
†Baskin, Meyer Albert (Law II)	D.C.	A.B. 1932, Baylor University	N.Y.
B.S. 1932, Harvard University		Bethell, James Truman (Law II)	
M.S. 1934, Massachusetts Institute of Technology		M.E. 1933, Stevens Institute of Technology	Md.
Bateman, Richard Herbert (Law I)	N.C.	†Beveridge, Andrew (Law I)	
A.B. 1927, University of North Carolina		B.S. 1936, University of Maryland	Calif.
Baumgardner, Woodrow Alvin (Law I)	Tenn.	Biesenmeier, Harold (Law, LL.M.)	
A.B. 1934, Lincoln Memorial University		Graduate 1918, U. S. Naval Academy	
Baves, Guy M. (Law II)	Ky.	B.S. 1932, The George Washington University	
Bayles, James Madison, Jr. (Law II)	N.J.	Biggs, Paul Robert (Law III)	Ore.
A.B. 1934, Dartmouth College		Bingham, Ruppert (Law II)	Mont.
†Beach, Robert Willis (Law, LL.M.)	Wash.	B.S. 1926, University of Pennsylvania	N.Y.
B.S. 1932, LL.D. 1936, University of Washington		Black, James Irving (Law I)	Mo.
Beachum, P. B., Jr. (Law II)	N.C.	Blackburn, Audia (Law I)	Idaho
B.S. 1933, Davidson College		Blaine, James William (Law III)	Fla.
Beasley, Cecil Ackmond, Jr. (Law II)	D.C.	Blacklock, Samuel Gordon (Law III)	D.C.
A.B. 1935, Princeton University		Bleissie, Edwin Pace (Law II)	
†Beasley, Delmar Otis (Law III)	Miss.	B.S. 1933, Washington and Lee University	D.C.
A.B. 1934, The George Washington University		Blond, Hyman I. (Law I)	N.Y.
Beckerman, Lawrence (Law II)	N.Y.	Blum, Irwin Ellis (Law III)	
A.B. 1934, Brooklyn College		B.S. 1934, Brooklyn College	Ohio
Beebe, John Elmer (Law I)	Kans.	Boly, Alfred Carpenter (Law I)	
A.B. 1937, Municipal University of Wichita		B.S. in M.E. 1937, Case School of Applied Science	Nebr.
Behn, Eric R. (Law I)	N.Y.	†Boese, Benjamin Franklin (Law I)	
B.S. in E.E. 1932, Cooper Union		A.B. 1937, The George Washington University	Md.
M.E.E. 1937, Polytechnic Institute of Brooklyn		†Booley, Samuel Emory (Law I)	
Behn, Victor Dietrich (Law I)	N.Y.	A.B. 1936, University of Maryland	W.V.
B.S. in E.E. 1931, Cooper Union		Bolmrich, Louis G. (Law I)	
A.M. 1936, The George Washington University		B.S. 1928, Harvard University	Mass.
†Behrendt, Peter Heinrich (Law II)	Germany	Boylan, Harry L. (Law I)	
Behrens, Arthur Hilstad (Law I)	Wash.	B.S. 1934, Boston University	N.J.
B.S. in Ch.E. 1934, University of Washington		Boone, Elizabeth Hane (Law I)	
Behunick, John Edward (Law I)	Conn.	A.B. 1930, Sweet Briar College	Pa.
Belen, Frederick Christopher (Law I)	Mich.	Booth, Sherwood Kenneth (Law III)	
A.B. 1937, Michigan State College of Agriculture and Applied Science		A.B. 1932, Pennsylvania State College	D.C.
Bell, George M. (Law I)	Utah	†Boquel, Francis Walle Peter (Law I)	
B.S. 1935, Utah State Agricultural College		B.S. 1933, Lehigh University	Mass.
Bell, John O. (Law II)	Va.	Borsari, George Robert (Law I)	
B.S. 1934, The George Washington University		A.B. 1934, American University	Nev.
		Bosta, Nicholas Eliegle (Law I)	
		A.B. 1932, University of Nevada	Mich.
		†Botta, George Oliver (Law I)	
		B.S. 1933, Michigan State Normal College	N.H.
		Boucher, Lionel Rene (Law I)	N.Dak.
		Boulger, Richard V. (Law II)	

†Bounds, Roger Jackson (Law I)	D.C.	Burt, Barbara (Law II)	Ala.
A.B. 1924, Washington College		Burt, Ernest H. (Law, LL.M.)	Mich.
Bowers, Chester Gaver (Law I)	Md.	B.S. 1914, Michigan State College	
A.B. 1914, American University		of Agriculture and Applied Science	
*Bowers, Theodore Leach (Law III)	Va.	LL.B. 1917, Yale University	
B.S. in E.E. 1919, University of		Burt, Sherman E. (Law III)	Utah
Illinois		B.S. 1912, University of Utah	
Boyer, Evelyn Frances D. (Law II)	D.C.	†Burt, Wellington R. (Law I)	D.C.
A.B. 1912, The George Washington		B.S. in Forestry 1937, University of	
University		Michigan	
Boyet, John H. (Law I)	Okla.	Busby, Thomas Jefferson (Law II)	Miss.
A.B. 1914, Oklahoma Southeastern		A.B. 1915, Washington and Lee	
State Teachers College		University	
Bradbury, Howard Melville, Jr. (Law I)	D.C.	Busch, Margaret Temple (Law I)	N.H.
Bradford, Harold Keith (Law I)	D.C.	A.B. 1915, The George Washington	
A.B. 1915, West Virginia University		University	
Bradley, Glenn M. (Law I)	Iowa	Bush, Stone Elkin (Law III)	La.
B.S. 1912, State University of Iowa		Byington, Emma B. (Law I)	P.I.
Bradley, James Pierce (Law I)	Md.	B.S. 1917, Georgetown University	
A.B. 1916, St. John's College		Byrd, Dan Madison (Law II)	Ga.
†Bradley, L. Beauford (Law I)	Ga.	Ph.D. 1919, Emory University	
A.B. 1914, Georgia State College for		A.M. 1917, The George Washington	
Women		University	
Brantford, Richard Reade (Law III)	Va.	Byrne, Frank Robert (Law II)	Ill.
E.E. 1912, Cornell University		Byrne, Paul P. (Law II)	Pa.
Brandsatt, Vivian (Law I)	N.Y.	Ph.D. 1912, Georgetown University	
A.B. 1914, Smith College		Byron, Roger Alan (Law II)	Ky.
Brent, Capt. Harold Ernest (Law I)	Ill.	A.B. 1915, Berea College	
Brent, Capt. Harry James, Jr. (Law I)	Va.	Cape, Edwin Menton (Law I)	Tex.
A.B. 1915, Rowan College		†Capers, Alfred (Law I)	N.Y.
A.M. 1916, Washington and Lee Uni-		A.B. 1917, Ohio State University	
versity		A.M. 1920, Ph.D. 1932, Columbia	
Brent, Aubrey Strode (Law II)	D.C.	University	
Brinewell, David (Law III)	Ark.	Cameron, George Henry (Law II)	Ill.
A.B. 1912, University of the South		B.S. 1912, Kana College	
A.M. 1912, Princeton University		Camp, Benjamin Jesse (Law II)	Ga.
†Brien, Daniel (Law I)	N.J.	A.B. 1914, University of Georgia	
A.B. 1911, Hoad College		Campbell, Howard Denton (Law I)	Idaho
Brill, Leroy Albert (Law III)	D.C.	A.B. 1915, College of Idaho	
Brooks, Joseph, Francis (Law III)	D.C.	Campbell, James Milton (Law II)	Md.
A.B. 1917, The George Washington		A.B. 1917, The George Washington	
University		University	
Britt, William Gaynor (Law I)	Tex.	†Campbell, Paul (Law, Und.)	Tenn.
Brod, Herman (Law I)	Ohio	LL.B. 1918, The George Washington	
Brown, Ben H.H., Jr. (Law II)	S.C.	University	
A.B. 1915, Wofford College		Campbell, Paul, Jr. (Law I)	Va.
Brown, Francis Ray (Law III)	Ariz.	A.B. 1917, Union College (N.Y.)	
Brown, George Robbins (Law II)	Ohio	Campbell, Roy D., Jr. (Law I)	Ark.
Brown, Delbert H. (Law I)	S.Dak.	A.B. 1916, The George Washington	
†Brown, Robert (Law I)	D.C.	University	
B.S. in Ch.E. 1916, University		Casson, Harry (Law I)	N.Y.
of Puerto Rico		B.S. 1914, College of the City of	
Bryan, Belton O'Neal (Law III)	S.C.	New York	
A.B. 1914, Duke University		Casson, Thelma Dick (Law I)	Ky.
Buffington, John Victor (Law, LL.M.)	D.C.	A.B. 1917, Berea College	
A.B. 1919, LL.B. 1912, University		Cares, Harold Vincent (Law I)	Cenn.
of Alabama		Carpenter, Homer Sney (Law III)	Ohio
Burns, Irving (Law II)	N.J.	A.B. 1911, Oberlin College	
B.S. 1914, U. S. Naval Academy		Carr, Basil Lorraine (Law II)	Md.
Burke, Jacob (Law I)	D.C.	B.S. 1914, University of Michigan	
Burke, Fieder A. Richard (Law II)	Cenn.	Carr, Richard James (Law III)	Mass.
Burn, Richard Edward (Law I)	N.J.	Carraway, Drew Lawrence (Law I)	Ark.
B.S. in E.E. 1911, University of		A.B. 1917, Henderson State Teach-	
Alabama		ers College	
Burnett, Edmund Cody (Law II)	Tenn.	Carriker, Julius Miles (Law I)	W.Va.
A.B. 1916, The George Washington		A.B. 1912, West Virginia University	
University		Carroll, Marie Joseph (Law I)	Md.
Burns, John Fielding (Law I)	Va.	B.S. in M.F. 1929, University of	
B.S. in E.E. 1911, The George		Pittsburgh	
Washington University		Carron, Raymond K. (Law II)	Tenn.
Burton, Edward Milton (Law II)	Ill.	Cary, George David (Law III)	Ala.
A.B. 1914, A.M. 1916, University		B.S. 1912, University of Pennsylvania	
of Illinois			



†Casey, Olga Lunsford (Law, LL.M.) A.B. 1918, LL.B. 1916, University of Mississippi	Miss.	Cornier, John Davis (Law III) A.B. 1933, Baylor University	Tex.
Cave, Edwin Blauvelt (Law II) M.E. 1913, Stevens Institute of Technology	N.Y.	Cornier, George Halver (Law III) A.B. 1912, University of Georgia	Ga.
Caviness, Pat (Law I)	Ark.	M.B.A. 1934, Harvard University	Ga.
†Ceppos, Harry (Law I)	D.C.	Cornerat, Robert Vincent (Law III) A.B. 1911, University of Georgia	N.Y.
Chambers, Richmond Duvall (Law I)	D.C.	Conte, Joseph G. (Law I) B.S. 1928, University of Buffalo	Ga.
Chapin, Frank Mulford (Law I)	D.C.	Cook, Coleman Pickett (Law III)	D.C.
†Chapple, William Atwell (Law, Uncl.) LL.B. 1914, University of Kansas	Kans.	Cook, Donald Clarence (Law II) A.B. 1932, M.B.A. 1935, University of Michigan	N.J.
Chatwin, Kenneth C. (Law I) A.B. 1915, Arizona State Teachers College (Tempe)	Ariz.	Cooke, Richard Wingfield, Jr. (Law I) M.E. 1933, Stevens Institute of Technology	Va.
Cheever, Sumner Charles (Law II)	Va.	Cooley, Vernon Edgar (Law I) B.S. 1910, Michigan Western State Teachers College	D.C.
Chew, Thomas Gordon (Law I)	Ind.	Cooper, Ella Gibson (Law II)	Pa.
Chozick, Hyman Edward (Law II)	Maine	Cooper, Walter Trexler (Law II)	Ala.
Christofferson, Wayne L. (Law III)	Utah	Caplan, Benjamin Jacobs (Law I) B.S. 1919, Alabama Polytechnic In- stitute	D.C.
Clagett, Helen Lord (Law I) A.B. 1928, University of Puerto Rico	Va.	Corbett, Don Cecil (Law I) A.B. 1928, Brigham Young University	Va.
Clark, Alan B. (Law II) A.B. 1917, The George Washington University	W.Va.	Cosdon, Walter Barry (Law I) B.S. 1935, Virginia Military Institute	D.C.
Clark, Clifford Helen (Law I) A.B. 1929, Wesleyan College	Ga.	Cox, Adam Leckie (Law I) B.S. 1912, University of Virginia	Va.
†Clark, Donald Floyd (Law I) A.B. 1918, University of Arizona	Ariz.	Cox, Cecil Thomas (Law I) B.S. 1934, Northwestern University	N.C.
Clark, William Carl (Law I) B.S. 1936, Cumberland University	Tenn.	Cox, Richard Martin (Law I) A.B. 1917, The George Washington University	W.Va.
Clarke, Harriet Brookfield (Law III) A.B. 1931, Wellesley College	D.C.	Craig, Robert Eugene (Law II) B.S. 1915, West Virginia University	D.C.
Clay, Oliver L. (Law II) A.B. 1912, University of Utah	Utah	Craighill, George Bowdoin, Jr. (Law II) A.B. 1936, University of the South	Ohio
Cleveland, Ruth F. (Law II)	Mo.	Crumpton, Scott Paul (Law II) A.B. 1935, American University	Pa.
Clifford, Patrick A. (Law I)	Va.	Crost, Richard Lee (Law I) A.B. 1936, Princeton University	Mo.
Close, Forrest (Law II) Graduate 1924, U. S. Naval Academy M.S. 1912, Harvard University	D.C.	Cross, Laura Elizabeth (Law III) A.B. 1921, Lindenwood College for Women	D.C.
Clulow, Ernest Edward, Jr. (Law III) A.B. 1916, The George Washington University	Okla.	Litt, B. 1925, Columbia University	D.C.
Cochran, Samuel William (Law I)	Mont.	Crotty, Francis William (Law I) B.S. in F.E. 1934, Brooklyn Poly- technic Institute	D.C.
†Cochran, Thomas Crider (Law III) A.B. 1929, University of Kentucky B.S. 1931, Yale University	Ky.	Crouch, Edward Calhoun (Law II) A.B. 1916, The George Washington University	Tenn.
Coggins, John W. (Law I)	N.C.	Crook, William Henry (Law II) A.B. 1917, The George Washington University	D.C.
Cohen, Arthur Stanley (Law II) A.B. 1918, Lehigh University	Md.	Cripples, Homer L. (Law II) B.Ch.E. 1931, M.S. 1933, Ph.D. 1934, Ohio State University	Calif.
Cohen, Harry Louis (Law III)	D.C.	Croston, Stuart (Law II) A.B. 1918, University of California (Berkeley)	Va.
Colby, Fred Wesley (Law II)	N.Dak.	Crary, Ralph Roy (Law III) Graduate 1917, U. S. Coast Guard Academy	D.C.
Cole, Elmer Clark (Law II)	Ill.	Curtis, Henry Norment (Law II) A.B. 1936, Hampden-Sydney College	Mass.
Cole, Wesley Stevenson (Law I) M.E. 1912, Stevens Institute of Technology	N.Y.	†Dabala, Joseph (Law I) B.S. in M.E. 1911, Massachusetts Institute of Technology	Md.
Coleman, Benjamin Overton (Law I)	Miss.	Daniel William Acton, Jr. (Law III) Daughters, Ralph Edgar (Law I) A.B. 1911, University of Florida	Fla.
Coleman, Creighton Reid (Law III) A.B. 1911, University of Michigan	Mich.		
Coleman, Ernest Taylor (Law II) A.B. 1917, The George Washington University	D.C.		
Coleman, James Plemon (Law II)	Miss.		
Collins, Fred von Versen (Law III)	D.C.		
Collins, Jane (Law I) A.B. 1917, Sweet Briar College	Miss.		
†Conehy, Harold (Law II)	D.C.		
†Conley, Joseph Frank (Law I) A.B. 1911, University of Kentucky	Ky.		
Conlon, Charles Francis, Jr. (Law III)	Mass.		
*Connelly, John Waldo, Jr. (Law, LL.M.) B.S. 1921, Georgetown University A.B. 1921, LL.B. 1927, The George Washington University	Va.		



Davidson, Ida Parker (Law II) A.B. 1923, Ohio State University	Va.	Dootson, John Todd (Law III) Dutton, Earl Nelson (Law II)	Wash. Utah
Davis, David McClure (Law III) B.S. in E.E. 1941, Princeton University	Va.	Dowd, Thomas Irskine (Law I) A.B. 1936, Davidson College	Ark.
Davis, George Evan, Jr. (Law II) A.B. 1945, King College	Tenn.	Drury, John Burke (Law II) A.B. 1934, The George Washington University	Va.
Davis, George Vernon (Law III) B.S. 1937, The George Washington University	Ky.	Dubenstein, Norman (Law I) B.S. 1932, College of the City of New York	N.Y.
Davis, Harry Maxwell (Law II) B.S. 1932, Alabama Polytechnic Institute	Ala.	Dumas, Alfred James (Law III) Dunham, Tom Austin (Law III)	W.Va. Wash.
Davis, Jack Butler (Law II) Davis, Jack Clemens (Law III) B.S. in Eng. 1936, The George Washington University	D.C. D.C.	†Durrett, Martin Marshall (Law, LL.M.) A.B. 1929, University of Kentucky	D.C.
†Davis, Norma Wendell (Law I) B.S. 1945, University of Utah	Utah	Dwyer, Edward James (Law III) A.B. 1939, St. John's College	Va.
Davis, Thomas Houston, Jr. (Law I) B.S. 1935, Georgia School of Technology	D.C.	M.M.F. 1931, Johns Hopkins University	
Davis, Thomas McCormick (Law III) B.S. in E.E. 1929, University of Louisville	Ky.	†Eadie, Douglas Graham (Law II) A.B. 1935, B.S. 1936, Wheaton College (III.)	D.C.
M.S. in E.E. 1931, Yale University		Earl, Robert A. (Law II) A.B. 1934, The George Washington University	Nev.
Dawson, Allen C. (Law II) Ed B. 1935, Southern Illinois State Normal University	Ill.	Eaton, John Howard (Law I) Ph.B. 1936, Dickinson College	N.Y.
†Deck, Harry W. (Law I) A.B. 1932, University of Wisconsin	Ill.	Fick, Dorothy E. (Law I) Edwards, Carlotta Ella H. (Law I)	Pa. D.C.
Dedman, Bertram Cunningham (Law I) A.B. 1937, University of the South de Gaulle, Lee (Law II)	Tenn.	Edwards, Luther Rice (Law II) B.S. 1932, Virginia Polytechnic Institute	Va.
A.B. 1935, Harvard University	N.Y.	†Edwards, Virginia Ellen (Law I) A.B. 1934, University of Arkansas	Ark.
De Mik, William J. (Law II) A.B. 1932, University of Toledo	Ill. Ohio	Egan, Milton L. (Law III) A.B. 1939, Colby College	Maine
†Denoe, Walter Edward (Law III) Ph.B. 1933, College of the Holy Cross	Mass.	Fase, John S. (Law III) Fawcett, Charles H. (Law II)	Wis. Ohio
Derr, George Lewis (Law I) †De Vane, Joseph Harold (Law III) B.S. in E.E. 1931, University of Pennsylvania	Pa. Md.	B.S. 1939, Ohio State University	
Diamond, William John (Law II) Dikerman, Jane (Law I) A.B. 1932, Middlebury College	Iowa Conn.	Elder, Walter E. (Law III) A.B. 1934, University of Kansas	Kans.
Dierberger, Wesley Arthur (Law III) B.B.A. 1931, University of Washington	Mont.	Flanagan, Eugene Russell (Law I) Lawson, C. Allen (Law II)	N.Y. Utah
Dillon, Billy Neal (Law I) A.B. 1935, Daniel Baker College	Tex.	†Elliott, Howard Russell (Law I) A.B. 1939, The George Washington University	D.C.
Dismore, Andrew McDonald (Law I) A.B. 1930, University of Alabama	Ala. Ala.	Elliott, Verne H. (Law I) B.S. 1934, University of Utah	Utah
†Doan, Mylitta Selma (Law I) Ph.B. 1935, University of Chicago	Ark.	Elliott, Milton (Law I) Ellis, Charles Francis (Law II)	Conn. Ga.
Dore, Vernon Harden (Law III) B.S. 1936, The George Washington University	Kans.	A.B. 1931, Harvard University	
Dodge, Clarence, Jr. (Law I) A.B. 1936, Princeton University	D.C.	Ellis, Arthur William (Law III) B.S. 1934, University of California	Oreg.
Dodson, Harry Douglas (Law II) Dolan, Donovan Haskell (Law, LL.M.)	Tenn.	Ellis, Wade Harvey (Law Und.) LL.B. 1931, Georgetown University	Nebr.
LL.B. 1937, The George Washington University	Ala.	Ellis, Louis Edward (Law, LL.M.) LL.B. 1934, The George Washington University	W.Va.
Dolan, Robert J. (Law I) A.B. 1936, The George Washington University	Wis.	†Elvay, Rudy (Law Und.) LL.B. 1932, The George Washington University	Ky.
		Findley, Mary Phelps (Law III) A.B. 1937, Cornell University	N.Y.
		Finley, Elizabeth Shirley (Law I) Evans, John David, Jr. (Law I)	Va. D.C.
		B.S. in Ch.E. 1934, Lehigh University	
		†Everett, William Kempton (Law I) Ewing, Lowell Howe (Law III)	Ohio Va.

Ewing, William Prewitt (Law II) A.B. 1927, William Jewell College	Mo.	Friedemann, William G. (Law II) B.S. 1911, M.S. 1912, Oklahoma Agricultural and Mechanical Col- lege	Okla.
Fairbanks, Philip Merrill (Law III) A.B. 1935, Yale University	D.C.	Friedman, Sidney (Law I) A.B. 1936, University of Pittsburgh	Pa.
Fardlik, Edward Joseph (Law II)	Conn.	Fuller, Helen Marjorie (Law I)	Ala.
Fardood, William (Law II) A.B. 1917, The George Washington University	D.C.	A.B. 1933, A.M. 1934, University of Alabama	N.J.
Faris, Marvin L. (Law I)	Nebr.	Furman, William Amies, Jr. (Law II) B.S. 1911, Lehigh University	N.J.
†Farmer, Madeleine Boyd (Law I) B.S. 1912, Simmons College	D.C.	Gabower, Genevieve (Law I) A.B. 1928, College of St. Teresa	Wis.
Farr, Daniel D. (Law, Und.) A.B. 1923, LL.B. 1923, Columbia University	N.Y.	A.M. 1936, University of Chicago	N.Y.
Farr, John Alden (Law II)	Mo.	Gaguine, Benito (Law, Und.) A.B. 1932, LL.B. 1934, Columbia University	Miss.
†Farrington, Bert W. (Law I) B.S. 1915, The George Washington University	D.C.	Gaillard, Green Rayner (Law II) B.S. 1934, Mississippi State College	Ala.
Fass, Irwin (Law I)	Calif.	Gaines, Frank Wharton, Jr. (Law II) A.B. 1935, University of the South	S.C.
Faunt, James Edwin (Law I)	Tex.	Galloway, James Henry (Law III) B.S. 1911, University of South Carolina	Idaho
Featherston, C. Moxley (Law II) A.B. 1945, Hardin Simmons Univer- sity	Idaho	Galloway, William Francis (Law III) Gammann, James Eugene Fair (Law III) A.B. 1937, The George Washington University	Mont.
Felt, Mark (Law I) A.B. 1935, University of Idaho	Md.	†Gann, Mahlon James (Law III) B.S. 1931, St. John's University (Minn.)	S.Dak.
Fennell, Royal Edward (Law I)	Kans.	Gareau, Charles Frederick (Law I) Garland, Jerome McDuffee (Law II) Garretson, Irene Grace (Law II)	Mass. Md. Ga.
Fetter, Theodore Albert (Law I) B.S. 1929, M.S. 1931, Washington University	Mo.	A.B. 1928, Agnes Scott College	D.C.
Feuerstein, Benjamin (Law I) B.S. 1935, Brooklyn College	N.Y.	Gartrell, Everett Albert (Law I) B.S. in E.E. 1931, Worcester Poly- technic Institute	Ind.
Fieldler, Frederick Alan (Law III) *Fisselman, Ben William (Law III) A.B. 1934, University of Dubuque	Ariz. Iowa	Gaston, Leslie Homer (Law I) B.S. in Ch.E. 1929, Purdue Uni- versity	D.C.
†Finkelstein, Hyman P. (Law I) B.B.A. 1934, College of the City of New York	N.Y.	M.S. in Ch.E. 1932, University of Michigan	D.C.
†Finney, Martin Everett (Law I) B.S. 1933, Northwestern University	Ill.	Gauss, Arthur (Law I) B.S. in E.E. 1933, Drexel Institute	D.C.
Fitzgerald, Richard Alfred (Law I) A.B. 1936, Michigan Western State Teachers College	Mich.	†Gauss, Harry (Law I) B.S. in E.E. 1933, Drexel Institute	Idaho Conn. Pa.
Fleming, William Stuart III (Law I) A.B. 1937, University of the South	Tenn.	Gee, Merrill Kerr (Law I) Gersten, Maurice R. (Law I) Getz, Howard (Law III)	Mich. Md.
Fletcher, Howard (Law II) B.S. 1932, Virginia Military Institute	Va.	B.S. 1930, Syracuse University	Mich. Md.
Fletcher, Lloyd, Jr. (Law II) B.B.A. 1936, University of Texas	Tex.	†Gibbons, Robert De Forest (Law I) †Gibbs, Henry Foote (Law I)	Calif.
Fletcher, Richard George, Jr. (Law II) A.B. 1935, Harvard University	D.C.	B.S. 1930, Johns Hopkins University	N.J.
Flood, Charles Henry Bourke (Law I)	D.C.	Gibson, Charles John (Law I) B.S. 1932, University of California (Berkeley)	N.J.
†Floyd, John I. (Law I) Foley, James Herbert (Law II) A.B. 1915, College of Wooster	Ga. Tex.	Glasser, Abraham (Law I) A.B. 1933, Rutgers University	Art.
Francison, Wellington (Law I) Lit.B. 1910, Rutgers University	N.J.	A.M. 1935, Princeton University	Va.
Frank, Paul A. (Law I) B.S. in E.E. 1932, University of Louisville	N.H.	Glenn, James (Law II) A.B. 1935, Hendrix College	D.C. N.Y.
Franklin, John Ransom (Law I) A.B. 1936, University of the South	Tenn.	Goldstein, Jeanette Gertrude (Law I) B.S. 1935, Roanoke College	Mass.
Fredricks, Anthony Theo (Law III)	Idaho	Goldstein, Joseph A. (Law II) Gollon, Frank Roseben (Law I) B.S. in Eng. 1933, C.E. 1934, Col- lege of the City of New York	
†Free, Harold G. (Law III) B.S. in M.E. 1932, The George Washington University	Iowa	Golway, Everett Arthur (Law I) B.S. 1931, Boston University	
Freedman, Milton (Law II) A.B. 1934, Brooklyn College	N.Y.		
Frees, C. Norman (Law I) A.B. 1936, DePaul University	Ill.		

Goodin, Paul A. (Law II)	Okla.	*Hardiman, Ralph Stevens (Law, LL.M.)	Minn.
Goodson, Carl Kelly (Law II)	Ga.	A.B. 1921, University of Minnesota	
A.B. 1925, University of Alabama		LL.B. 1926, The George Washington University	
Goodkowitz, William Francis (Law II)	W.Va.	Hardy, Leonard Daniel (Law III)	Miss.
A.B. 1926, The George Washington University		A.B. 1928, University of Mississippi	
Gordon, Herman Lewis (Law I)	N.Y.	Harmon, Elmer Winford (Law I)	Mass.
B.S. 1915, College of the City of New York		B.S. 1930, M.S. 1931, Massachusetts Institute of Technology	
Gordon, Robert Eugene (Law III)	Tex.	Harris, Ernest Malone, Jr. (Law, LL.M.)	N.C.
A.B. 1929, Trinity University		A.B. 1931, Wake Forest College	
Goslin, Finley Harrison (Law I)	Okla.	LL.B. 1936, The George Washington University	
A.B. 1926, Phillips University		*Harris, John Ashton (Law III)	Va.
Gotlieb, Jerome Joseph (Law I)	D.C.	A.B. 1922, University of Richmond	
A.B. 1926, The George Washington University		Harris, Lois Elizabeth (Law II)	Iowa
Gould, Bernard Albert (Law I)	N.J.	A.B. 1927, Drake University	
E.C.S. 1926, New York University		Harris, Robert George (Law, Uncl.)	Mich.
Graddin, Albert Harold (Law I)	N.Y.	B.S. in M.E. 1930, University of Michigan	
B.S. in Ch.E. 1934, New York University		J.D. 1931, Detroit College of Law	
M.Ch.E. 1936, Polytechnic Institute of Brooklyn		†Harrison, Anne Franklin (Law I)	Va.
Gray, George O. (Law II)	Tex.	A.B. 1927, Mary Baldwin College	
Green, William Stevenson (Law I)	Pa.	Harrison, William Wirt, Jr. (Law III)	S.C.
A.B. 1921, A.M. 1922, Pennsylvania State College		A.B. 1929, Davidson College	
Griffith, Kelley E. (Law I)	Va.	†Hart, Joseph Irel (Law II)	Idaho
Grubb, Eli (Law II)	Nev.	A.B. 1924, Brigham Young University	
Guest, Alfred Robert (Law I)	N.Y.	†Hatch, Hazel (Law I)	Calif.
M.E. 1931, Stevens Institute of Technology		A.B. 1925, Stanford University	
†Gustin, Don A. (Law I)	D.C.	†Hathaway, Caleb Richard (Law I)	D.C.
A.B. 1927, University of Arizona		A.B. 1926, University of Maryland	
Hackley, Howard Hayward (Law, Uncl.)	Va.	†Hathorn, Fleet Cooper, Jr. (Law III)	Miss.
A.B. 1929, LL.B. 1931, University of Virginia		B.S. 1923, Mississippi State Teachers College (Hattiesburg)	
LL.M. 1932, Columbia University		Haubner, John Wesley (Law II)	Va.
Haddox, Earl Murray (Law I)	W.Va.	B.S. 1924, Princeton University	
†Haele, Donald James (Law I)	Ohio	Haves, Oliver William (Law I)	Md.
B.S. 1925, University of Michigan		B.S. 1927, Brown University	
M.S. 1934, Case School of Applied Science		Haves, Oswald Gray (Law II)	Utah
Hagen, Arthur Chris (Law II)	Idaho	B.S. 1925, The George Washington University	
B.S. in E.E. 1935, University of Idaho		Haynes, John Lennex (Law I)	D.C.
Haggett, Edward Grant, Jr. (Law I)	Maine	B.S. in Ch.E. 1932, The George Washington University	
B.S. 1921, University of Maine		Heer, Robert R. (Law II)	Ill.
Hain, John Adams (Law II)	D.C.	A.B. 1925, University of Illinois	
B.S. in Ch.E. 1926, The George Washington University		Helvestine, Albert Harrison (Law II)	D.C.
Hale, David Lawrence (Law II)	Colo.	B.S. in Eng. 1923, B.S. in E.E. 1925, The George Washington University	
B.S. in E.E. 1935, University of Colorado		Henderson, James McInnes (Law III)	Tex.
Hale, E. William, Jr. (Law III)	Tenn.	Hendricks, Arthur Glen (Law III)	Ill.
A.B. 1921, Washington and Lee University		A.B. 1927, Illinois College	
Hall, Fred Hubert (Law I)	Ga.	†Henry, Donald Lee (Law I)	Mont.
A.B. 1926, The George Washington University	Colo.	Hermann, Luther Harold (Law I)	Pa.
Hall, Frank Bailey, Jr. (Law II)		B.S. 1923, Temple University	
A.B. 1926, The George Washington University		Hernandez, Jose Luis (Law, LL.M.)	P.R.
Hankins, Robert Barrow (Law III)	D.C.	LL.B. 1927, University of Puerto Rico	
A.B. 1926, The George Washington University		†Higbie, Leslie Wilson (Law I)	Md.
Hanley, John Alexander III (Law III)	D.C.	B.S. 1927, University of Illinois	
A.B. 1924, Washington and Lee University		Hilder, Frazier Faint (Law I)	D.C.
Hanley, Lloyd Graham (Law II)	Ill.	A.B. 1924, University of Michigan	
A.B. 1925, University of Missouri		Hilder, Peter Frost (Law I)	D.C.
Hansen, Wayne Jay (Law II)	Calif.	B.S. in Ch.E. 1926, University of Maryland	
		Hill, Earl White (Law III)	Ga.
		Ph.D. 1929, Emory University	
		Hill, John Lyman (Law III)	Wis.
		A.B. 1927, The George Washington University	



Hill, John Robert (Law II)	Ill.	Hyatt, William S., Jr. (Law III)	Kans.
Hill, Robert Arthur (Law I)	D.C.	A.B. 1936, The George Washington University	
B.S. 1934, University of Maine			
M.S. 1935, Massachusetts Institute of Technology			
Hill, Robert L. (Law I)	Nebr.	Iliff, John William (Law III)	Ill.
B.S. 1930, University of Nebraska		B.S. 1932, Northwestern University	
†Hilton, Robert F. (Law, Uncl.)	Utah	Ipson, Donald Keller (Law III)	Utah
LL.B. 1936, B.S. 1936, University of Utah		Ireland, Otto Miller (Law I)	Nebr.
Hirshfield, James Albert (Law I)	D.C.	A.B. 1936, Doane College	
Hix, William Beryl (Law II)	Kans.	Jackson, A. Gifford (Law I)	Utah
A.B. 1934, The George Washington University		Jackson, John Francis (Law I)	Calif.
Hobbs, Robert Boyd (Law I)	D.C.	A.B. 1934, Santa Barbara State College	
A.B. 1935, The George Washington University		Jacobs, John Roszell (Law II)	Va.
Holden, James Bernard (Law I)	Idaho	A.B. 1934, A.M. 1935, The George Washington University	
Hollabaugh, Marcus A. (Law II)	Ark.	Jacobsen, Paul Dewar (Law III)	Idaho
Hollingsworth, Samuel S. (Law I)	D.C.	Jacobsen, S. Elmer (Law I)	Utah
Holmes, Ralph Miller (Law II)	Oreg.	James, J. Frank (Law I)	N.Y.
B.S. 1934, University of Oregon		James, Walter Ervin (Law I)	Ala.
Holmes, Robert St. Clair (Law II)	D.C.	Jett, John Rabb (Law III)	D.C.
A.B. 1923, Swarthmore College		A.B. 1922, Bucknell University	
A.M. 1927, University of Pennsylvania		Johnson, Hildegar Ernest (Law III)	N.Dak.
Ph.D. 1932, Princeton University		Johnson, James Lloyd (Law I)	Ohio
Homer, David (Law III)	Utah	B.S. in E.E. 1934, The George Washington University	
B.S. 1931, M.S. 1932, Utah State Agricultural College		†Johnson, Kirt William (Law I)	Utah
Hooker, John Stam (Law I)	Pa.	B.S. 1933, Brigham Young University	
B.S. 1932, University of Pennsylvania		Johnson, Lloyd N. (Law I)	Utah
Horton, Roger Runyon (Law I)	N.Y.	B.S. 1935, Utah State Agricultural College	
B.Ch.E. 1937, Rensselaer Polytechnic Institute		Johnson, Sidney Arthur (Law I)	N.Y.
Hosley, Richard Elmer (Law II)	N.Y.	B.S. 1933, B.Ch.E. 1934, Cornell University	
M.E. 1934, Cornell University		†Johnston, James Lamont (Law I)	Va.
Hoyt, Forrest T. (Law II)	Ariz.	Graduate 1935, U. S. Naval Academy	
†Hubbard, Allen Bradley (Law III)	Wis.	Johnston, Joseph Edwin (Law II)	Utah
Hudson, Melvin (Law I)	Ohio	A.B. 1934, University of Dubuque	Mo.
A.B. 1934, University of Dayton		Johnston, Russel (Law, LL.M.)	
†Hudson, Raymond Minor, Jr. (Law III)	D.C.	A.B. 1927, University of Texas	
Huettig, Hugo Gustav, Jr. (Law II)	D.C.	M.B.A. 1929, Harvard University	
A.B. 1935, Princeton University		J.D. 1937, The George Washington University	
Huff, Henry Shadoin (Law I)	Md.	†Johnston, Wesley Amos (Law I)	N.Y.
B.S. in E.E. 1934, New York University		Joiner, Walton M. (Law I)	Ill.
†Hughes, Edgar Temple (Law I)	Pa.	B.S. 1932, Bradley Polytechnic Institute	
B.S. in E.E. 1923, Pennsylvania State College		Jones, Allen Monroe (Law I)	D.C.
Hultin, Clifford Thomas (Law I)	Va.	Jones, John Laurence, Jr. (Law I)	D.C.
A.B. 1925, B.Ch.E. 1931, M.S. 1934, University of Minnesota		A.B. 1937, University of North Carolina	
Humphrey, Elwood McClure (Law I)	Ky.	Jones, John Richardson (Law II)	Wash.
A.B. 1933, Centre College of Kentucky		B.S. 1931, University of Minnesota	
†Hunter, Frank Rhodes (Law I)	D.C.	Jones, Louis Dan (Law II)	Okl.
Hunter, John Merritt, Jr. (Law II)	N.J.	B.S. 1933, University of Oklahoma	
B.S. 1931, Harvard University		Jones, Ralph Edmund Jr. (Law III)	D.C.
Hunter, William James D. (Law II)	Va.	A.B. 1935, The George Washington University	
†Huntzberger, Lee I. (Law III)	D.C.	Jones, Robert Moses (Law I)	Pa.
B.S. in Eng. 1936, The George Washington University		A.B. 1931, Princeton University	
Hurd, Willis Lee (Law I)	D.C.	Jukes, J. H. Fielding (Law III)	Md.
Hust, Raymond Alfred (Law III)	Utah	A.B. 1933, St. John's College	
Hutchings, Paul R. (Law I)	Wis.	Just, Carolyn Royall (Law II)	Ill.
Ed.B. 1933, Wisconsin State Teachers College (Milwaukee)		Ph.B. 1934, University of Chicago	
Hutchins, Charles Morris (Law II)	Va.	Kadushin, Herbert (Law I)	N.Y.
B.S. in E.E. 1934, Purdue University		Kadley, Eva Lillian (Law II)	Nebr.
†Hutson, John H., Jr. (Law II)	D.C.	B.A. 1932, Nebraska Wesleyan University	
A.B. 1934, The George Washington University		Kaplan, Edward Karnis (Law I)	N.J.
		M.F. 1934, Stevens Institute of Technology	

Karet, Isadore Edward (Law I)	Pa.	Knauf, Albert Ensign (Law I)	Ohio
B.S. 1934, Temple University		Ph.D. 1937, University of Illinois	
*Karpinsky, William (Law I)	N.J.	Knight, Charles Louis (Law II)	Va.
B.S. 1933, Duke University		B.S. 1925, M.S. 1926, University of Virginia	
Kay, Harry (Law II)	D.C.	Ph.D. 1937, University of Pennsylvania	
Keeler, Clark Beane (Law III)	D.C.	Knight, Jesse H. (Law III)	Utah
Keely, James Everett (Law II)	Mass.	Knight, William Bernard (Law I)	Va.
B.S. 1936, Massachusetts Institute of Technology		B.S. 1929, University of Virginia	
Keller, William Ross (Law I)	Va.	Knoop, Victor Hammond (Law III)	D.C.
B.S. 1935, Louisiana State University		Koehler, Arvel Maxwell (Law III)	W.Va.
Kelly, John Tyrone (Law II)	N.Y.	A.B. 1925, The George Washington University	
Kemp, Thomas Aubrey (Law II)	Md.	Kolstad, Leo Stanley (Law II)	Va.
A.B. 1934, Bucknell University		A.B. 1922, Intermountain Union College	
Kemper, Edward Crawford (Law I)	Md.	Kondrap, Arne Lovat (Law II)	D.C.
A.B. 1927, The George Washington University		Konitz, Leo (Law I)	Colo.
Kempka, Henry R. (Law I)	Ohio	Kramer, Albert Jack (Law II)	D.C.
Kennedy, Irene Murphy (Law II)	D.C.	B.S. 1930, University of Virginia	
A.B. 1931, Barnard College		*Krambill, Jack Beuss (Law III)	D.C.
Kennon, Troy Almyrd (Law I)	Okla.	Krupaw, Fulton Hilton (Law I)	D.C.
A.B. 1936, University of Tulsa			
*Kenny, Leo William (Law, LL.M.)	Ohio	LaBelle, John Dernier (Law I)	Vt.
A.B. 1928, St. John's College (Ohio)		A.B. 1937, Colgate University	
LL.B. 1934, Georgetown University		LaCross, Paul John (Law I)	Vt.
Kente, Elizabeth (Law I)	N.Y.	A.B. 1922, University of Vermont and State Agricultural College	
A.B. 1935, Hunter College		Ladimer, Irving (Law I)	N.Y.
Kerby, John Hardy (Law II)	D.C.	A.B. 1937, College of the City of New York	
A.B. 1935, The George Washington University		Land, Jeff R. (Law I)	Okla.
*Kerley, Larry Ernest (Law I)	D.C.	A.B. 1933, Oklahoma East Central State Teachers College	
A.B. 1937, Arkansas State College		Lambert, John Ross (Law I)	Tenn.
Kerrins, Joseph Arthur (Law II)	D.C.	A.B. 1931, University of Tennessee	
Ketterer, Frederick (Law I)	Ala.	*Lamson, Robert W. (Law I)	D.C.
B.S. 1931, University of Alabama		B.S. 1927, University of Iowa	
Kets, Leon Gilbreath (Law II)	Okla.	*Landre, Arthur Stanley (Law II)	N.J.
A.B. 1934, University of Oklahoma		A.B. 1929, Davis and Elkins College	
Kidd, Glenn Orville (Law I)	Mo.	Laney, Thomas Percy (Law II)	N.C.
B.S. 1936, Washington University		B.S. 1933, Wake Forest College	
Kiefer, Charles Frederick, Jr. (Law I)	N.Y.	Laney, Walter Harvey (Law III)	Ark.
Kiehlme, Emma (Law III)	Pa.	A.B. 1935, Hendrix College	
Killea, John F. (Law I)	N.Y.	*Larndale, Margaret (Law I)	Ga.
A.B. 1936, University of Southern California		A.B. 1931, Georgia State Women's College	
Kilpatrick, Edward Floyd (Law I)	Mo.	*Lauer, Powless William, Jr. (Law II)	N.Dak.
A.B. 1931, University of Missouri		*Larson, J. Stanford (Law I)	Utah
Kimball, Fielding (Law II)	Utah	M.S. 1936, Utah State Agricultural College	
Kimball, Frank Collette (Law II)	Utah	Lassiter, Omega Charles (Law I)	Okla.
*Kimmel, Maurice la Verne (Law II)	Colo.	A.B. 1935, University of Tulsa	
A.B. 1930, University of Colorado		Latham, Don M. (Law II)	Kans.
Kine, Clayton Holt (Law I)	Calif.	Law, Melvin James (Law III)	Utah
A.B. 1936, University of California (Los Angeles)		Layton, Philip Raymond (Law, LL.M.)	Colo.
King, Hughes Allison (Law II)	Tex.	A.B. 1930, LL.B. 1932, The George Washington University	
King, Olin Gibson (Law II)	Utah	M.B.A. 1935, Harvard University	
King, Robert Leonard (Law III)	Ala.	Lear, James Curtis (Law I)	Tenn.
Kinsley, Charles Gordon (Law II)	N.Mex.	A.B. 1936, University of the South	
Kinslow, Warren Curtis (Law III)	Va.	Lee, Francis (Law II)	Idaho
Kirkham, Grant (Law II)	Utah	Lee, Frank Miles (Law III)	Mo.
Kirkpatrick, Scott Lucilus (Law I)	Ark.	Lee, Mary Vernon (Law I)	Ill.
Kirk, John James (Law III)	Wis.	A.B. 1920, A.M. 1932, The George Washington University	
B.S. 1923, University of Wisconsin		M.B.A. 1935, Harvard University	
Kivan, Harry S. (Law I)	D.C.	Lee, James Curtis (Law I)	Tenn.
Ph.D. 1935, University of Vermont		A.B. 1936, University of the South	
Knecht, Charles Edward (Law III)	Pa.	Lee, Francis (Law II)	Idaho
Kline, Will Murdoch, Jr. (Law I)	Pa.	Lee, Frank Miles (Law III)	Mo.
A.B. 1931, Bowdoin College		Lee, Mary Vernon (Law I)	Ill.
Kline, Gilbert Frank (Law I)	Va.	A.B. 1920, A.M. 1932, The George Washington University	
Kline, H. Stewart (Law I)	D.C.	*Lee, Virginia Welch (Law I)	W.Va.
B.C.E. 1935, Catholic University of America		*Lee, William Andrew (Law I)	N.H.
*Kline, Randolph (Law I)	Miss.	A.B. 1936, Dartmouth College	
B.S. 1935, University of Mississippi		Lee, David (Law III)	Okla.
		A.B. 1934, Oklahoma Southeastern State Teachers College	



Lehman, Walter Sherwood (Law I)	D.C.	Magil, Herbert (Law II)	Pa.
B.S. in C.E. 1935, The George Washington University		B.S. in Ch.E. 1935, University of Pennsylvania	
Leibowitz, Reuben (Law II)	N.Y.	Magill, Charles Herbert (Law III)	D.C.
B.S. 1933, Ch.E. 1934, College of the City of New York		Malone, Frank Allison (Law I)	Kans.
†Leimer, Kenneth Nelson (Law I)	D.C.	A.B. 1917, Municipal University of Wichita	
B.S. in C.E. 1934, Drexel Institute of Technology		Marion, John Alexander (Law III)	8.C.
Lemke, Robert M. (Law I)	N.Dak.	A.B. 1934, University of South Carolina	
Leonhard, Paul Byron (Law I)	Ind.	Maroney, William Hannay (Law II)	N.Y.
A.B. 1929, Franklin College of Indiana		B.S. 1924, Dartmouth College	
†Lerner, Abraham Max (Law, Uncl.)	D.C.	Marshino, Ora Lee (Law, Uncl.)	Ky.
B.S. 1931, University of Pennsylvania		A.B. 1928, A.M. 1932, J.D. 1937, The George Washington University	
LL.B. 1936, The George Washington University		Martell, Helen Marie (Law II)	D.C.
Lester, Creed Jopling (Law II)	Ohio	Martin, Hugh Jack (Law II)	Ga.
Ph.B. 1931, Kenyon College		Graduate 1924, U. S. Naval Academy	Ark
Levering, Robert Woodrow (Law I)	Ohio	†Martin, Mary Douglas (Law I)	N.Y.
A.B. 1936, Denison University		†Martin, Paul Simeon (Law I)	
Levine, Aaron Arthur (Law I)	Conn.	B.S. in Eng. 1935, B.S. in E.E. 1936, College of the City of New York	
A.B. 1937, Connecticut State College		Martin, Raymond Earl (Law I)	N.Y.
†Levine, Harry (Law I)	N.Y.	A.B. 1931, M.E. 1933, Cornell University	
B.B.A. 1933, College of the City of New York		Mason, John Clarke (Law II)	N.C.
Lewis, Herbert B. (Law I)	D.C.	Mathers, Lloyd Caldwell (Law I)	D.C.
Lichtenstein, Joseph Melville (Law I)	Fla.	A.B. 1927, University of Denver	
A.B. 1937, Rollins College		†Matson, Walter David (Law I)	Md.
Liles, Edward Breedon (Law III)	S.C.	A.B. 1931, University of Michigan	Mont.
A.B. 1932, Wofford College		Matter, John Marchion (Law II)	
†Liliston, John Bacon (Law I)	Va.	B.S. 1935, New Mexico School of Mines	N.C.
B.S. 1933, Randolph-Macon College		Maupin, Armistead Jones (Law II)	
A.B. 1934, Duke University		A.B. 1936, University of North Carolina	D.C.
†Lilley, Donald Hurley (Law I)	D.C.	†Maunritz, Frank Edward (Law I)	
A.B. 1934, The George Washington University		B.Eng. 1933, D.Eng. 1937, Johns Hopkins University	N.Mex.
Lincoln, Evelyn Maurine Norton (Law II)	Nebr.	McAttee, Worland Peter (Law II)	
A.B. 1926, University of Nebraska		B.B.A. 1932, University of New Mexico	D.C.
Lincoln, Harold Wayne (Law III)	D.C.	†McBride, Joseph Vincent (Law I)	
A.B. 1936, The George Washington University		B.S. in M.E. 1933, New York University	Ky.
Lipscomb, Andrew Adgate (Law III)	Md.	†McCabe, William Ward (Law I)	N.Y.
Lipshitz, Fannie (Law I)	N.Y.	McClare, John Kenneth (Law I)	
A.B. 1933, Hunter College		A.B. 1927, Yale University	Mo.
Lloyd, Max George (Law II)	Utah	McCluney, Forrest Fletcher (Law I)	
Lloyd, Sherman P. (Law II)	Idaho	A.B. 1917, University of Missouri	W.Va.
A.B. 1935, Utah State Agricultural College		McComas, William Taylor (Law I)	N.Mex.
Loftus, Joseph Philip (Law I)	D.C.	McConnell, Robert C. (Law II)	
A.B. 1925, St. Mary College		A.B. 1935, University of New Mexico	Colo.
Lowry, Henry C. II (Law I)	Va.	McCreary, Robert M. (Law II)	
A.B. 1935, University of Virginia		A.B. 1934, University of Colorado	D.C.
Luckett, Horace Peyton (Law II)	D.C.	McCutchen, Duval Talmadge (Law I)	
A.B. 1936, Franklin and Marshall College		A.B. 1928, The George Washington University	N.C.
Lyman, Joseph Jacob (Law II)	D.C.	†McDavid, Marion Foy (Law II)	
A.B. 1935, Brown University		A.B. 1932, Davidson College	Idaho
Lyon, Merle Paul (Law, LL.M.)	Ill.	McDermott, Peter A. (Law III)	Calif.
A.B. 1918, Oberlin College		McDill, Alexander Stuart (Law I)	
J.D. 1921, University of Chicago		Graduate 1926, U. S. Naval Academy	Idaho
Lyons, Jake Gee (Law II)	Okla.	†McDonell, Henry Edward (Law II)	
A.B. 1932, University of Oklahoma		A.B. 1927, University of Utah	D.C.
†MacDonald, Curtis Upton (Law I)	Va.	†McDowall, Luther Gilbert (Law I)	
MacDonald, Fred (Law III)	Ark.	A.B. 1932, Rollins College	Ind.
A.B. 1930, Arkansas College		McFadden, Zoe Charlotte (Law I)	
MacDuff, Russell U. (Law I)	Md.	A.B. 1937, The George Washington University	
B.S. 1935, Wilson Teachers College			
Mack, Louise Jeanette (Law I)	D.C.		
A.B. 1933, Vassar College			
Mackie, James Wilson (Law I)	Ala.		



†McFarland, Mary Alice (Law I) A.B. 1917, University of Texas	Tex.	Morgan, Harold (Law I) A.B. 1927, University of Missouri	Ill.
McGrath, Hubert Aloysius (Law II) A.B. 1925, College of the Holy Cross Ed.M. 1914, Boston University	Mass.	Monney, James Callan (Law, LL.M.) B.S. 1927, University of Minnesota	Minn.
McKee, Craig (Law III) A.B. 1934, The George Washington University	Iowa	LL.B. 1930, Harvard University	
McKevitt, Thomas Lawrence (Law, LL.M.) A.B. 1942, LL.B. 1914, University of Notre Dame	Mich.	Morris, Harry Oliver (Law II) A.B. 1926, University of New Mexico	N.Mex.
McKirdy, Louise (Law I) A.B. 1926, University of Pittsburgh	Pa.	Morrison, George Douglas (Law III) Graduate 1919, U.S. Naval Academy	Ga.
McMillen, Caroline May (Law II) A.B. 1916, The George Washington University	D.C.	Morse, Roger Herbert (Law I) Master, Elsworth Hathaway (Law II) B.S. in Ch.E. 1913, Syracuse University	Kans. N.Y.
McQueen, Roseanna (Law I) A.B. 1928, Stanford University	Wash.	Moss, Joseph Alexander (Law II) A.B. 1914, Southwestern	Ark.
Medem, Kathleen (Law III) A.B. 1928, University of Washington	Wash.	Mostaw, Elmer (Law, LL.M.) LL.B. 1927, The George Washington University	Md.
Medill, Daniel Kerfoot (Law II) A.B. 1929, University of Delaware	Pa.	Mott, William Chamberlin (Law I) B.S. 1913, U.S. Naval Academy	N.J.
Mein, John, Gordon (Law II) A.B. 1926, Georgetown College	Kv.	Moller, Victor C. (Law I) B.S. 1931, University of Southern California	Va.
†Menedis, Albert George (Law I) A.B. 1940, West Virginia University	N.Y.	Mulligan, Tracy Ellsworth (Law I) A.B. 1927, The George Washington University	D.C.
Messina, Lucy Kathleen (Law I) A.B. 1927, University of Delaware	Del.	Murdock, William O. (Law II) B.S. 1927, University of Utah	Utah
Meyer, Herbert (Law I) B.S. 1924, University of California	Calif.	Murphy, James Emmett (Law II) A.B. 1934, William Jewell College	Mo.
Michaels, Lother (Law II) Dipl. Eng. 1924, Technical University (Munich, Germany)	D.C.	Murphy, John Daniel (Law II) Messer, Milton Shupp (Law III) A.B. 1917, The George Washington University	N.Mex. Utah
Middleton, Fenius Simon (Law I) M.F. 1927, Rensselaer Polytechnic Institute	D.C.		
*Mile, Kate (Law III) †Milled, Ray Edward (Law I)	Hawaii	Nail, Harry Craig (Law III) A.B. 1927, Ohio University	Ohio
†Miller, Davidson Church (Law III) A.B. 1915, The George Washington University	D.C.	*Nail, Carlton Leroy (Law III) B.S. 1921, Gettysburg College	Pa.
Miller, Harry Slater (Law II) B.S. 1921, Albright College	Pa.	†Nash, Walter Kent (Law III) †Neal, Oscar Thomas (Law I) B.S. 1917, The George Washington University	Idaho Ky.
†Miller, Kenneth D. (Law II) A.B. 1932, Drury College	Mo.	Nelson, Fred Clayton (Law II) *Nelson, Harold Fletcher (Law II) A.B. 1922, University of Nebraska	Utah Nebr.
Miller, Paul Jones, Jr. (Law I) B.S. 1920, Mississippi State College	Miss.	Nelson, Howard Moore (Law II) B.S. 1932, University of Nebraska	Nebr.
†Miller, William Otto (Law I) LL.B. 1915, University of Kentucky	Ky.	Neuhauer, Frank Louis (Law I) B.S. in E.E. 1934, University of Louisville	D.C.
†Mills, Dorothy Larr (Law I) A.B. 1916, Randolph-Macon Women's College	D.C.	†Nichols, Clark, Jr. (Law III) Nissen, Glen Edwin (Law I) B.S. in E.E. 1917, The George Washington University	D.C. Utah
Mitchell, George Day (Law I) B.S. 1915, Johns Hopkins University	Md.	Nielson, Leo Haight (Law III) Nipe, Merlin Harris (Law I) Ph.D. 1927, American University	Idaho N.Y.
†Mitchell, Milton (Law I) Mittelman, Allen (Law III) B.S. 1914, College of the City of New York	D.C. N.Y.	Nohl, Frederick L. (Law I) A.B. 1911, University of New Mexico	N.Mex.
Mohkamp, Bernard Kleyn (Law I) Molana, George Norman (Law I) A.B. 1915, Calvin College	Holland Mich.	Nordland, Harry T. (Law I) Norton, Nathan McCracken (Law II) †Nover, Elmer R. (Law I) A.B. 1941, St. John's College	Wash. Ark. Mass.
Montague, William G. (Law I) B.S. 1916, Kentucky State Teachers College, Western	Ky.	Nyrop, Donald William (Law II) A.B. 1914, Deane College	Nebr.
Moore, Estelle Betty (Law III) Moore, George Mansfield (Law I) A.B. 1917, The George Washington University	D.C. D.C.		
Moore, Glenn E. (Law II) A.B. 1922, University of Missouri	Ark.	O'Beare, Legare Hill Bowles (Law I) O'Brien, James Francis (Law II) Odum, Edward Everett, Jr. (Law II) B.S. 1911, University of Virginia	Ga. Mont. D.C.
*Morgan, Ralph (Law II) †Morgan, Donald Joseph (Law III)	Nev. Ariz.		

O'Hara, Donald Clark (Law I) A.B. 1937, Michigan State College of Agriculture and Applied Science	Mich.	Picot, George Francis (Law I) B.S. 1932, Utah State Agricultural College	Utah
†O'Hara, Thomas William (Law, LL.M.) LL.B. 1923, University of Colorado	Wyo.	Pierce, Carrah Ola (Law I) B.S. 1911, Mississippi State College for Women	Miss.
Oliver, Richard Rudolph (Law I) Olsen, Edward Brown (Law I)	Mo. D.C.	*Pierson, William Theodore (Law III) Pimper, James Lambie (Law, LL.M.) A.B. 1911, Dartmouth College	Iowa Md.
*Omtvedt, J. Norman (Law III) B.S. 1935, University of Minnesota	Minn.	†Pitt, Bernard Puckling (Law III) Plumley, Fletcher D. P. (Law II) A.B. 1928, Norwich University	D.C. Vt.
O'Neill, Charles Ford (Law I) A.B. 1914, Texas Technological College	Tex.	M.B.A. 1933, Harvard University Poch, Stanley Thomas (Law I) Podell, Sidney (Law I)	Wash. N.Y.
Oram, Archie L. (Law II) O'Rourke, Charles Dennis (Law II) A.B. 1945, Nebraska State Teachers College (Chadron)	Idaho Nebr.	B.S. 1933, New York University Points, Ben Blair (Law II) Polk, Irl Hicks (Law I)	Okla. Miss.
†Osthagen, Clarence Hilmann (Law I) B.S. in Eng. 1930, University of Kentucky	N.J.	B.S. in C.E. 1927, The George Washington University	
*Ottis, John Gordon (Law II) B.S. 1914, University of North Dakota	N.Dak.	†Pollard, Violet McDougall (Law I) Pollard, Willard Lacy (Law III) B.S. in Ch.E. 1933, University of Notre Dame	Va. Ill.
Owen, Dwight Hall (Law II) Owensby, Ethel (Law II) A.B. 1924, Drury College B.E. 1925, A.M. 1926, University of Cincinnati	N.H. Mo.	Pollock, Charles Frederick (Law II) Ph.B. 1935, University of Wisconsin Ponder, Lester M. (Law III) B.S. 1934, Northwestern University	Wis. Ark.
Pace, David Allen (Law I) Paris, Vinard LeVaine (Law II) Parker, Ernest Edward (Law II) A.B. 1929, University of Alabama	Tex. N.Y. Ala.	Poor, John Wilbert (Law II) A.B. 1934, The George Washington University	Mo. D.C.
Parker, George Alton (Law II) Parkinson, Graham N. (Law I) Parrish, Finis Irving (Law I) A.B. 1934, The George Washington University	Utah Calif. Tex.	Poor, Allan Randolph (Law I) Porotto, Fortunato (Law II) Porter, Ned Scott (Law I) A.B. 1934, Santa Barbara State College	D.C. D.C. Calif.
Parsons, George R. (Law II) Pates, William Appleton (Law I) B.S. in C.E. 1936, University of Maryland	Iowa Md.	†Powell, George Livingstone (Law III) Powell, Walter Reynolds, Jr. (Law III) A.B. 1935, Centre College of Kentucky	Calif. D.C. Mo.
Patson, Kenneth Walter (Law II) Paterson, Thomas Peirce (Law I) B.S. 1916, University of Nebraska	Okla. Nebr.	Powers, Irving (Law I) B.S. in C.E. 1934, Washington University	Okla. Ariz. Mont.
Patton, William Henry (Law II) †Payne, Elizabeth Browning (Law I) A.B. 1926, College of William and Mary	N.Mex. D.C.	†Prater, John Edward (Law I) Price, Dix W. (Law II) †Provinse, W. Nathan (Law I) A.B. 1937, University of Montana	Colo.
†Pearce, Gertrude (Law I) Pearce, John Frederick (Law I) B.S. 1911, California Institute of Technology	Utah Calif.	Pushe, George Arthur, Jr. (Law I)	D.C.
Peck, Kenneth Congdon (Law I) B.S. 1912, M.S. 1912, University of Michigan	N.Y.	†Quirk, Betty Claire (Law I) A.B. 1916, University of Maryland	Ohio
Peetram, Thomas Edward, Jr. (Law III) Pensland, L. L. Cecil (Law II) Petersen, Archie Lyle (Law III) Petersen, William Theodore (Law II) A.B. 1927, University of Georgia	Miss. N.C. Kans. Ga.	Race, Anthony Joseph (Law II) A.B. 1935, Ohio University Rampton, Calvin Jewell (Law II) Ramsey, Donald James (Law II) Graduate 1924, U. S. Naval Academy	Utah D.C. Iowa
Pewett, Edwin Herbert (Law III) A.B. 1914, Washington and Lee University	Ark.	Ramsey, Ralph E. (Law III) A.B. 1933, The George Washington University	Ariz. N.Y.
Phares, Allen Breckford (Law III) A.B. 1914, Municipal University of Warsaw	Kans.	Randall, Glen L. (Law II) Ratner, Benjamin (Law I) A.B. 1933, Brooklyn College	Utah
†Phifer, George Erwin (Law II) Phifer, George Henry (Law II) †Phillips, William Lewis (Law I) B.S. 1916, University of Richmond	D.C. D.C. Va.	†Ravitz, Harry Irving (Law I) B.S. 1937, University of Utah Reardon, Wilfred J. (Law I)	Wis. N.Y.
Philpott, Blanche Wilson (Law I) A.B. 1922, The George Washington University A.M. 1917, Columbia University	D.C.	†Rebold, Joseph (Law I) B.S. 1932, College of the City of New York Redman, M. Chandler (Law II) A.B. 1914, Bowdoin College	Maine



Reed, Emery A. (Law II) A.B. 1915, Nebraska State Teachers College (Chadron)	Nebr.	Reiser, Harry (Law I) A.B. 1911, A.M. 1932, Cornell University	N.Y.
Reed, Vaughn Dewitt (Law I)	Ohio	Rommsville, James Herdis (Law II)	Tex.
Reeder, Samuel Bye, Jr. (Law II)	D.C.	B.B.A. 1931, University of Texas	
Rees, Bynum Fay (Law II)	Miss.	†Rourke, Anne-Marie (Law I)	N.Y.
†Rees, Doyle (Law I)	D.C.	A.B. 1912, College of New Rochelle	
B.S. 1912, Utah State Agricultural College		Rowe, E. Romayne (Law II)	Wis.
†Reid, Howard William (Law I)	Conn.	A.B. 1927, A.M. 1928, University of Wisconsin	
A.B. 1911, Tufts College		Rubenstein, Jacob H. (Law III)	Va.
Replogle, Harold Hastings (Law II)	Ind.	B.S. 1926, Columbia University	
A.B. 1921, Indiana University		†Rubinstein, Bernard (Law I)	N.Y.
Rhodes, Aaron Payne (Law I)	D.C.	B.S. in M.E. 1932, New York University	
B.S. 1912, University of Illinois		Rudberg, Harry Charles (Law III)	Pa.
Rhodes, Jack Marion (Law I)	Idaho	B.S. 1912, Franklin and Marshall College	
A.B. 1917, College of Idaho		Ruestow, Edward Alan (Law I)	D.C.
Rihar, Peter A. (Law II)	Colo.	A.B. 1915, Columbia University	
A.B. 1916, University of Colorado		Rule, Walter Edwin (Law III)	N.Mex.
†Rich, George Hutchinson (Law I)	Conn.	B.S. 1926, M.S. 1930, Columbia University	
A.B. 1917, Colgate University		Russell, Paul Ray (Law, LL.M.)	D.C.
Rich, Joseph Charles (Law III)	Idaho	A.B. 1924, LL.B. 1924, The George Washington University	
Richards, Channing Leathers (Law I)	D.C.		
M.E. 1914, Cornell University		*Sailor, Hobart Andrew (Law, LL.M.)	Ohio
Richardson, Arthur Leon Bertram (Law II)	Va.	Graduate 1918, U. S. Naval Academy	
B.S. 1914, Harvard University		LL.B. 1915, The George Washington University	
Richmond, Alfred Carroll (Law III)	Va.	Salisbury, Harry Jefferson (Law I)	Mo.
Graduate 1924, U. S. Coast Guard Academy		B.S. in Ed. 1934, Missouri State Teachers College (Central)	
Riddell, Tully D. (Law III)	Miss.	†Sandoval, Ernest Urbano (Law I)	Colo.
B.S. 1911, University of Mississippi		Sannebeck, Norvell Harrison (Law III)	Mo.
Riddle, Daniel Murphy, Jr. (Law I)	La.	LL.B. 1931, The George Washington University	
A.B. 1918, Louisiana College		†Sauer, Walter Charles (Law, LL.M.)	N.J.
Ridgely, Henry Johnson (Law II)	Del.	A.B. 1928, Princeton University	
A.B. 1915, University of Delaware		LL.B. 1931, Yale University	
†Riley, Thaddeus Ambrose (Law II)	Mo.	Schick, James Peter, Jr. (Law I)	D.C.
A.B. 1910, University of Nebraska	D.C.	A.B. 1936, Lafayette College	
B.S. 1910, University of Nebraska		Schiff, Morris (Law I)	N.Y.
B.S. 1910, The Citadel	N.J.	A.B. 1934, New York University	
Roberts, Ora Herbert, Jr. (Law I)	Md.	Schildecker, Charles Bushfield (Law II)	Pa.
A.B. 1917, Evansville College		B.S. in M.E. 1915, University of Pittsburgh	
†Robertson, Edward Donald (Law I)	Iowa	†Schlessinger, Herbert Irving (Law I)	Ill.
A.B. 1916, The George Washington University		Schmerler, Samuel (Law I)	N.Y.
Robertson, Mabel Rosalind (Law I)	Fla.	B.S. 1911, M.S. 1915, College of the City of New York	
A.B. 1924, University of Illinois		Schmidt, John Ferdinand (Law I)	D.C.
Robinson, Cecil Fales (Law I)	Maine	B.S. 1915, University of Michigan	
A.B. 1911, Colby College		Schmidt, Miriam Elizabeth (Law II)	Mo.
Robinson, Harry Joseph (Law II)	Nev.	Schmoege, Frank Wilfred (Law I)	Mich.
A.B. 1911, University of Nevada		A.B. 1916, Michigan Western State Teachers College	
M.B.A. 1914, Stanford University		Schneider, Adolph Piening (Law I)	D.C.
Robinson, Lee Morpan (Law II)	D.C.	B.S. 1917, U. S. Naval Academy	
B.S. 1916, Catholic University of America		Schneider, Robert H. (Law II)	Va.
Robinson, Murray (Law I)	N.Y.	A.B. 1917, The George Washington University	
B.S. in E.E. 1916, Worcester Poly- technic Institute		Schrader, Rae Emmett (Law I)	Ala.
†Roca, Paul McLennan (Law II)	Ariz.	†Schultz, Clarence H. (Law I)	Minn.
A.B. 1911, University of Arizona		B.S. in Ed. 1929, University of Minnesota	
Rochelle, William Jennings (Law I)	Tex.	Schwartzbach, Eleanor (Law I)	Pa.
Roenning, George Carl (Law I)	Wis.	A.B. 1912, Hunter College	
B.S. 1910, University of Wisconsin		Scott, Embury Giles (Law I)	Va.
Rogers, Lloyd Emmett (Law III)	Ky.	A.B. 1917, Hampden-Sydney College	
A.B. 1911, University of Kentucky			
Romig, Clyde Edison (Law II)	Ohio		
A.B. 1914, LL.B. 1916, The George Washington University	Ill.		
Rosenfeld, St. Julius Palmer (Law I)	Fla.		
Rosenfeld, Mayrice J. (Law I)	Oreg.		
B.S. 1917, University of Oregon			



O'Hara, Donald Clark (Law I) A.B. 1947, Michigan State College of Agriculture and Applied Sciences	Mich.	Piert, George Francis (Law I) B.S. 1942, Utah State Agricultural College	Utah
†O'Hara, Thomas William (Law, LL.M.) LL.B. 1923, University of Colorado	Wyo.	Pierce, Carrah Ola (Law I) B.S. 1913, Mississippi State College for Women	Miss.
Oliver, Richard Rudolph (Law I) Olsen, Edward Brown (Law I)	Mo. D.C.	*Pierson, William Theodore (Law III) Pimper, James Landue (Law, LL.M.) A.B. 1933, Dartmouth College	Iowa Md.
*Omtvedt, J. Norman (Law III) B.S. 1915, University of Minnesota	Minn.	†I.B. 1937, The George Washington University	
O'Neill, Charles Ford (Law I) A.B. 1934, Texas Technological College	Tex.	Pitt, Bernard Picking (Law III) Plumley, Fletcher D. P. (Law II) A.B. 1928, Norwich University	D.C. Vt.
Oram, Archie L. (Law II) O'Rourke, Charles Dennis (Law II) A.B. 1945, Nebraska State Teachers College (Chadron)	Idaho Nebr.	M.B.A. 1939, Harvard University Poeh, Stanley Thomas (Law I) Podell, Sidney (Law I)	Wash. N.Y.
†Osthagen, Clarence Hilmann (Law I) B.S. in Eng. 1930, University of Kentucky	N.J.	B.S. 1933, New York University Prints, Ben Blair (Law II) Pelt, Irl Hicks (Law I)	Okla. Miss.
*Ottis, John Gordon (Law II) B.S. 1914, University of North Dakota	N.Dak.	B.S. in C.E. 1927, The George Washington University	
Owen, Dwight Hall (Law II) Owensby, Ethel (Law II) A.B. 1924, Drury College B.E. 1925, A.M. 1926, University of Cincinnati	N.H. Mo.	†Pollard, Victor McDonald (Law I) Pollard, Willard Lacy (Law III) B.S. in Ch.E. 1933, University of Notre Dame	Va. Ill.
Pace, David Allen (Law I) Paris, Vinard LeVaine (Law II) Parker, Ernest Edward (Law II) A.B. 1929, University of Alabama	Tex. N.Y. Ala.	Pr-black, Charles Frederick (Law II) Ph.B. 1915, University of Wisconsin Ponder, Lester M. (Law III) B.S. 1934, Northwestern University	Wis. Ark.
Parker, George Alton (Law II) Parkinson, Graham N. (Law I) Parrish, Finis Irving (Law I) A.B. 1934, The George Washington University	Utah Calif. Tex.	Poor, John Wilbert (Law II) A.B. 1934, The George Washington University	Mo.
Parsana, George R. (Law II) Pates, William Applton (Law I) B.S. in C.E. 1930, University of Maryland	Iowa Md.	Poore, Allen Randolph (Law I) Porette, Fatsimate (Law II) Porter, Ned Scott (Law I) A.B. 1934, Santa Barbara State College	D.C. D.C. Calif.
Patterson, Kenneth Walter (Law II) Patterson, Thomas Peirce (Law I) B.S. 1916, University of Nebraska Pattson, William Henry (Law II)	Okla. Nebr.	†Powell, George Livingston (Law III) Powell, Walter Reynolds, Jr. (Law III) A.B. 1935, Centre College of Kentucky	Calif. D.C.
†Payne, Elizabeth Bonham (Law I) A.B. 1930, College of William and Mary	N Mex. D.C.	Powers, Irving (Law I) B.S. in C.E. 1934, Washington University	Mo.
†Pearce, Garth Coe (Law I) Pearne, John Frederick (Law I) B.S. 1914, California Institute of Technology	Utah Calif.	†Prater, John Edward (Law I) Price Dix W. (Law II) †Provine, W. Nathan (Law I) A.B. 1937, University of Montana	Okla. Ariz. Mont.
Peck, Kingsley Congdon (Law I) B.S. 1912, M.S. 1932, University of Michigan	N.Y.	Fughe, George Arthur, Jr. (Law I)	Calif.
Pearam, Thomas Edward, Jr. (Law III) Perdant, John Cecil (Law II) Peroutter, Arthur John (Law III) Petersen, William Theodore (Law II) A.B. 1937, University of Georgia	Miss. N.C. Kans. Ga.	†Quirk, Betty Claire (Law I) A.B. 1935, University of Maryland	Ohio
Powell, Edwin Hensel (Law III) A.B. 1914, Washington and Lee University	Ark.	Race, Anthony Joseph (Law II) A.B. 1915, Ohio University	Utah D.C.
Platt, Alva Bickford (Law III) A.B. 1944, Municipal University of Wisconsin	Kans.	Rampton, Calvin Lowell (Law II) Ramsey, Donald James (Law II) Graduate 1924, U. S. Naval Academy	Iowa
†Phifer, George Erwin (Law II) Phifer, George Henry (Law II) †Phillips, William Ister (Law I) B.S. 1940, University of Richmond	D.C. D.C. Va.	Ramsey, Ralph E. (Law III) A.B. 1933, The George Washington University	Ariz. N.Y.
Philpott, Marjorie Wilson (Law I) A.B. 1930, The George Washington University A.M. 1937, Columbia University	D.C.	Randall, Glen L. (Law II) Ratner, Benjamin (Law I) A.B. 1933, Brooklyn College	Utah
		†Ravitz, Harry Irvine (Law I) B.S. 1917, University of Utah	Wyo.
		Reardon, Wilfred I. (Law I) †Reid, Joseph (Law I) B.S. 1912, College of the City of New York	N.Y.
		Redman, M. Chandler (Law II) A.B. 1934, Bowdoin College	Maine

Reed, Emory A. (Law II)		Rosner, Harry (Law I)	N.Y.
AB 1945, Nebraska State Teachers College (Chadron)	Nebr.	AB 1911, A.M. 1912, Cornell University	
Reed, Vaughn Dewitt (Law I)	Ohio	Rounsville, James Herdis (Law II)	Tex.
Reeder, Samuel Bye, Jr. (Law II)	D.C.	B.A. 1911, University of Texas	
Rees, Bynum Fay (Law II)	Mass.	†Rourke, Anne-Marie (Law I)	N.Y.
†Rees, Doyle (Law I)	D.C.	AB 1912, College of New Rochelle	
B.S. 1912, Utah State Agricultural College		Rowe, E. Romayne (Law II)	Wis.
†Reid, Howard William (Law I)	Conn.	AB 1927, A.M. 1928, University of Wisconsin	
AB 1911, Tufts College		Rubenstein, Jacob H. (Law III)	Va.
Replogle, Harold Hasting (Law II)	Ind.	BS 1916, Columbia University	
AB 1921, Indiana University		†Rubenstein, Bernard (Law I)	N.Y.
Rhodes, Aaron Payne (Law I)	D.C.	BS in M.L. 1912, New York University	
BS 1912, University of Illinois		Rudberg, Harry Charles (Law III)	Pa.
Rhodes, Jack Marion (Law I)	Idaho	BS 1912, Franklin and Marshall College	
AB 1917, College of Idaho	Colo.	Ruestow, Edward Alan (Law I)	D.C.
Ribar, Peter A. (Law II)		AB 1925, Columbia University	
AB 1916, University of Colorado	Conn.	Rule, Walter Edwin (Law III)	N.Mex.
†Rich, George Hutchinson (Law I)		BS 1916, M.S. 1920, Columbia University	
AB 1927, Colgate University	Idaho	Russell, Paul Ray (Law, LL.M.)	D.C.
Rich, Joseph Charles (Law III)	D.C.	AB 1924, LL.B. 1924, The George Washington University	
Richards, Channing Leathers (Law I)			
M.E. 1914, Cornell University	Va.	*Sailor, Hobart Andrew (Law, LL.M.)	Ohio
Richardson, Arthur Leon Bertram (Law II)	Va.	Graduate 1918, U. S. Naval Academy	
BS 1914, Harvard University		LL.B. 1911, The George Washington University	
Richmond, Alfred Carroll (Law III)	Miss.	Salsbury, Harry Jefferson (Law I)	Mo.
Graduate 1924, U. S. Coast Guard Academy		BS in Ed. 1924, Missouri State Teachers College (Central)	
Riddell, Tully D. (Law III)	La.	†Sandoval, Ernest Urbano (Law I)	Colo.
BS 1911, University of Mississippi		Sannebeck, Norville Harrison (Law III)	Mo.
Riddle, Daniel Murphy, Jr. (Law I)	Del.	LL.B. 1911, The George Washington University	
AB 1915, Louisiana College		†Sauer, Walter Charles (Law, LL.M.)	N.J.
Ridgely, Henry Johnson (Law II)	Mo.	AB 1928, Princeton University	
AB 1915, University of Delaware	D.C.	LL.B. 1911, Yale University	
†Riley, Thaddeus Ambrose (Law II)		Schack, James Peter, Jr. (Law I)	D.C.
AB 1917, University of Nebraska		AB 1916, Lafayette College	
BS 1910, University of Nebraska	N.J.	Schaff, Morris (Law I)	N.Y.
BS 1910, The Citadel		AB 1914, New York University	
Roberts, Ora Herbert, Jr. (Law I)	Md.	Schuldecker, Charles Bushfield (Law II)	Pa.
AB 1917, Evansville College		BS in M.E. 1915, University of Pittsburgh	
†Robertson, Edward Donald (Law I)	Iowa	†Schlesinger, Herbert Irving (Law I)	Ill.
AB 1916, The George Washington University		Schmerler, Samuel (Law I)	N.Y.
Robertson, Mabel Rosalind (Law I)	Fla.	BS 1911, M.S. 1915, College of the City of New York	
AB 1924, University of Illinois	Maine	Schmidt, John Ferdinand (Law I)	D.C.
Robinson, Cecil Fales (Law I)		BS 1915, University of Michigan	
AB 1911, Colby College	Nev.	Schmidt, Miriam Elizabeth (Law II)	Mo.
Robinson, Harry Joseph (Law II)		Schmiege, Frank Wilfred (Law I)	Mich.
AB 1911, University of Nevada	D.C.	AB 1916, Michigan Western State Teachers College	
M.B.A. 1914, Stanford University		Schneider, Adolph Piening (Law I)	D.C.
Robinson, Lee Morgan (Law II)	N.Y.	BS 1917, U. S. Naval Academy	
BS 1916, Catholic University of America		Schneider, Robert H. (Law II)	Va.
Robinson, Murray (Law I)	Ariz.	AB 1917, The George Washington University	
BS in E.E. 1916, Worcester Polytechnic Institute		Schrammer, Rice Emmett (Law I)	Ala.
†Roca, Paul McLennan (Law II)	Tex.	†Schultz, Clarence H. (Law I)	Minn.
AB 1911, University of Arizona	Wis.	BS in Ed. 1929, University of Minnesota	
Rochelle, William Jennings (Law I)	Ky.	Schwartzbach, Eleanor (Law I)	Pa.
Roeming, George Carl (Law I)		AB 1912, Hunter College	
BS 1916, University of Wisconsin	Ohio	Scott, Embury Giles (Law I)	Va.
Rogers, Lloyd Emmett (Law III)	Ill.	AB 1917, Hampden-Sydney College	
AB 1911, University of Kentucky			
Romig, Clyde Edison (Law II)	Fla.		
AB 1914, LL.B. 1916, The George Washington University	Oreg.		
†Rose, Mary Elizabeth (Law, LL.M.)			
AB 1914, LL.B. 1916, The George Washington University			
Rosemond, St. Julius Palmer (Law I)			
Rosenfeld, Maurice J. (Law I)			
B.S. 1917, University of Oregon			



Scott, Letha Marcella (Law I)	Ill.	†Smith, Gerald Gay (Law II)	Utah
Scott, Nathaniel Thompson (Law I)	N.Y.	B.S. 1931, University of Utah	
A.B. 1937, Middlebury College		Smith, Guerry R. (Law III)	D.C.
Scott, Tasso Harold (Law II)	Colo.	A.B. 1935, The George Washington University	
A.B. 1931, University of Colorado		Smith, H. Albert (Law I)	Mo.
M.S. 1933, Georgetown University	D.C.	Smith, Harold Clair (Law II)	Pa.
†Scrivener, Milton Emmons (Law I)	Ind.	A.B. 1931, Pennsylvania State College	
Seal, Charles Bernard (Law III)		Smith, J. Wesley (Law I)	W.Va.
A.B. 1933, A.M. 1934, Butler University	D.C.	A.B. 1937, Marshall College	
Seay, Charles Powell (Law III)		*Smith, John George, Jr. (Law III)	N.Y.
A.B. 1934, University of Maryland	Kans.	Smith, Joseph C. (Law I)	Mont.
Sebelius, Keith George (Law I)	D.C.	Smith, Marilla Horton (Law I)	N.Y.
Sells, Oscar Hooper (Law II)		A.B. 1930, New York State College for Teachers	
A.B. 1933, A.M. 1934, American University	Colo.	Smith, Mountfort Horner (Law II)	D.C.
Seydel, Morris Monsees (Law II)		B.S. 1936, University of Illinois	W.Va.
A.B. 1937, The George Washington University	S.Dak.	Smith, Preston Clark (Law I)	
Shanard, John M. (Law I)		B.S. in C.E. 1935, West Virginia University	
A.B. 1935, University of South Dakota	Ill.	Smith, Ralph Carlisle (Law II)	Ky.
Shane, Kenneth V. (Law I)	Md.	B.S. 1931, Rensselaer Polytechnic Institute	
Shapiro, Harry G. (Law II)		Smith, Sherman Austin (Law I)	Utah
B.S. in Eng. 1937, The George Washington University	Wash.	B.S. 1936, University of Utah	La.
Sharp, Robert Keith (Law II)		†Smith, Taylor Gray (Law I)	
B.S. in Eng. 1935, The George Washington University	D.C.	A.B. 1936, Louisiana Polytechnic Institute	Kans.
Shaver, Karl (Law III)		†Smith, Theodora (Law I)	
B.S. in E.E. 1931, Kansas State College of Agriculture and Applied Science	Ill.	A.B. 1932, Mills College	
Shear, Ten Eyck Wigforss (Law I)		A.M. 1933, Radcliffe College	Idaho
B.S. in M.E. 1933, University of Illinois	Utah	Smith, Vernon Kenneth (Law III)	Utah
†Sheffield, Elbert J. (Law I)		Smoot, Albert Parkinson (Law I)	
A.B. 1934, University of Utah	Tenn.	B.S. 1937, University of Utah	Va.
Shelton, Hugh Todd (Law I)		Smoot, John Daniel Kurtz, Jr. (Law I)	Ga.
A.B. 1937, University of the South	D.C.	Snedeker, James (Law I)	
*Sherly, Raphael (Law, LL.M.)		B.S. 1928, U.S. Naval Academy	Idaho
A.B. 1931, LL.B. 1936, The George Washington University	Pa.	Snyder, Donald Clyde (Law I)	
LL.M. 1937, Harvard University		B.S. 1933, M.S. 1935, University of Idaho	Pa.
Sherman, Bertha Antnette (Law I)	Mass.	Sokolove, Henri (Law I)	
B.S. 1934, Pennsylvania State Teachers College (West Chester)	Wis.	B.S. 1932, University of Pennsylvania	Utah
Sherman, Paul Dwight (Law II)		Somerville, Lawrence William (Law II)	N.Y.
B.B.A. 1929, Boston University	D.C.	Sommer, Kenneth Richard (Law I)	Okla.
†Sherwood, William K. (Law I)	Ark.	Sompayrac, Powell Lawrence (Law II)	Okla.
A.B. 1936, University of Chicago	Nebr.	†Sompayrac, Walter Alexander (Law II)	Mont.
Shewmaker, Russell Newton (Law II)		Southmayd, John P. (Law I)	D.C.
†Shouse, Merle (Law I)		†Spencer, John Hathaway (Law I)	
A.B. 1935, Hendrix College	D.C.	A.B. 1929, Grinnell College	Tex.
Shull, Lewis Frederick (Law I)	Ky.	A.M. 1931, Harvard University	
A.B. 1936, Nebraska State Teachers College (Chadron)	N.Y.	Stallings, Mary Leslie (Law II)	Ky.
Shuman, Sydney Joseph (Law II)	Calif.	A.B. 1935, University of Maryland	W.Va.
Simpson, Faust Young (Law III)		Starns, John Cecil (Law I)	
Sipkin, Chester (Law II)		Staubly, Alan MacLean (Law III)	
Sizoo, Joseph Alexander (Law III)	D.C.	B.S. in Eng. 1935, The George Washington University	Idaho
A.B. 1934, The George Washington University	Calif.	Staudacher, Gerald (Law II)	D.C.
Skinker, Dudley Graham (Law I)	Ill.	A.B. 1936, University of Idaho	
Skousen, Willard Cleon (Law II)	Utah	Stauffer, Henry Brooke (Law III)	Ga.
Sloan, Kenneth Loy Hamilton (Law I)	Ill.	A.B. 1935, Duke University	
Ph.B. 1933, University of Chicago	Ill.	†Steedman, James Haynes (Law I)	Ill.
Smart, Herbert Frank (Law III)	Ill.	Ph.B. 1931, Emory University	Calif.
Smith, Clyde Willard (Law I)	S.Dak.	Stephens, Benjamin J., Jr. (Law I)	
A.B. 1937, The George Washington University		Stephens, Elwood Edward (Law III)	D.C.
Smith, Francis Milton (Law I)		B.S. 1933, University of California	
A.B. 1936, Augustana College		Stephens, Louis Clark (Law I)	Ind.
		A.B. 1933, Roanoke College	Va.
		Steppler, Harold Gordon (Law II)	
		Stewart, Allen Wesley (Law III)	
		A.B. 1936, The George Washington University	



Stevenson, Fred Charles (Law II)	N.J.	Tiemroth, Harold Herman (Law II)	Calif.
A.B. 1934, The George Washington University		†Tievsy, Marvay (Law I)	D.C.
Stocking, Frank A. (Law II)	Tex.	A.B. 1937, The George Washington University	
A.B. 1928, Columbia University		Timberlake, Edmund Compton (Law II)	D.C.
Stohl, Ralph N. (Law II)	Utah	Timblin, Charles (Law III)	Wash. Pa.
A.B. 1934, University of Utah		†Tobin, William Scott (Law I)	
Stoudemire, Sterling F., Jr. (Law I)	S.C.	A.B. 1937, Grove City College	
A.B. 1937, Furman University		Tobey, Charles William, Jr. (Law III)	N.H.
†Stout, Clair L. (Law III)	Utah	Toll, George Shea (Law I)	Pa.
A.B. 1934, University of Utah		B.S. 1934, University of Pennsylvania	
Strecker, Hayward William (Law II)	Ohio	*Trammell, Charles Monroe, Jr. (Law III)	Fla.
B.S. 1927, University of Pennsylvania		A.B. 1933, The George Washington University	
Stucker, Lyman M. (Law II)	Nebr.	Trapp, Ernest Calvin (Law I)	N.Mex.
A.B. 1938, Hastings College		A.B. 1935, Oklahoma Central State Teachers College	
Sturm, George Wayne (Law II)	Calif.	†Trask, Alfred S. (Law, Und.)	Minn.
Sullivan, William Walter (Law II)	Conn.	L.L.B. 1935, The George Washington University	
A.B. 1932, College of the Holy Cross		Traxler, William Byrd (Law II)	Tex.
Sutrin, Donald Arthur (Law I)	D.C.	Turner, David Aston (Law, Und.)	D.C.
Susong, Alex E. (Law II)	Tenn.	A.B. 1934, Southern Methodist University	
A.B. 1933, Virginia Military Institute		Turville, Edward A. (Law I)	D.C.
Swain, Robert Adams (Law I)	Tex.	A.B. 1936, Washington and Lee University	
A.B. 1934, University of Texas		Tyler, Lynn Leavenworth (Law II)	S.C.
A.M. 1936, The George Washington University		B.S. 1935, College of Charleston	
Swan, Elmer Jackson (Law I)	Tenn.	Van Dyke, Spencer Ellsworth (Law II)	Utah
B.S. 1934, Tennessee State Teachers College (Johnson City)		Vaught, Jethro Sparkman, Jr. (Law I)	N.Mex.
Swanson, Irvine W. (Law II)	Minn.	A.B. 1931, University of New Mexico	
B.S. 1937, Oklahoma Agricultural and Mechanical College		Verbyke, J. Russell III (Law II)	D.C.
Swards, R. Lee Joseph (Law I)	Wis.	Villanore, Ed S. (Law II)	Mo.
Ed.B. 1936, Wisconsin State Teachers College (Milwaukee)		*Vogel, Matt Ruffe (Law III)	N.Dak.
Sylvester, Malcolm Duncan (Law I)	La.	†Voss, Oesen, Kathryn Rita (Law I)	N.Y.
Graduate 1925, U. S. Naval Academy		A.B. 1936, Skidmore College	
Szacopoulos, Nicholas Constantine (Law II)	Ohio	Wadkins, Mildred (Law I)	Ala.
A.B. 1934, University of Akron		B.S. 1935, Alabama Polytechnic Institute	
Taft, Perry Hazard (Law I)	Calif.	*Wassstaff, W. Stanford (Law III)	Utah
A.B. 1936, University of California (Los Angeles)		Ward, Richard A. (Law I)	Wyo.
Tallburt, George W. (Law I)	D.C.	B.S. 1934, University of Wyoming	
Tatney, Robert Stevens (Law III)	Conn.	Walker, Herman, Jr. (Law I)	N.C.
A.B. 1934, University of Michigan		A.B. 1931, Ph.D. 1937, Duke University	
Tate, Edward Oscar (Law II)	Tenn.	Walker, John Hale, Jr. (Law I)	Tex.
A.B. 1931, American University		A.B. 1934, University of Texas	
Taylor, Joe H. (Law, Und.)	Ky.	†Walker, William O'Hara (Law I)	Va.
L.L.B. 1932, University of Louisville		A.B. 1935, State University of Iowa	
Terbush, Theron Leeroy (Law I)	Okla.	Ward, Caroline Chalmers (Law II)	N.C.
B.S. 1936, University of Maryland		A.B. 1934, University of North Carolina	
Thady, William Man (Law III)	Utah	Waterson, Bernice Luella (Law I)	Mich.
A.B. 1934, University of Utah		A.B. 1931, The George Washington University	
†Thomas, George Samuel (Law III)	Ohio	Watkins, Robert Edward (Law II)	Colo.
A.B. 1935, The George Washington University		B.S. 1935, U. S. Naval Academy	
Thomas, Jesse Woodrow (Law I)	Ky.	Wasson, Walter Lee (Law II)	Miss.
Thompson, Benson Walling (Law III)	Md.	†Wasson, Thomas Monaghan (Law I)	Pa.
Thompson, Frank M. (Law II)	D.C.	A.B. 1936, University of Pittsburgh	
Thompson, J. Roy (Law I)	Okla.	Wear, William A. (Law I)	Mo.
B.S. 1931, Oklahoma Agricultural and Mechanical College		A.B. 1937, Drake College	
†Thompson, Malcolm Hayes (Law I)	N.H.	Webb, Arch George (Law III)	Utah
Ed.B. 1937, Plymouth Normal School		B.S. 1934, University of Utah	
†Thompson W. Lark (Law III)	D.C.	Webber, William Hoban (Law I)	Pa.
A.B. 1933, University of Wyoming		B.S. 1932, University of Pennsylvania	
Thornberry, John Orme (Law I)	D.C.		
Thorton, J. Read (Law II)	Utah		
A.B. 1934, Brigham Young University			

Webster, Wallace H., Jr. (Law II) Ph.B. 1934, Muhlenberg College	Pa.	Wilson, Dorothy Roth (Law II) A.B. 1936, University of Michigan	Mo.
Wedge, Virgil Henry (Law I) B.S. 1936, Brigham Young University	Nev.	Wilson, George Wood, Jr. (Law III, LL.M.)	N.C.
Weil, John Allen (Law I)	D.C.	A.B. 1934, University of North Carolina	
Weingartner, Ademar Grimm (Law III) A.B. 1934, The George Washington University	Md.	LL.B. 1938, The George Washington University	N.C.
Weisbach, John Niehus (Law II)	Ill.	Wilson, Lomax (Law II) A.B. 1928, Randolph-Macon Wom- an's College	N.C.
Weisberger, Wilfred Harold (Law II) B.S. 1932, University of Pennsylvania	Pa.	Wilson, Samuel Stuart (Law, LL.M.)	W.Va.
† Weissman, Arthur (Law II) A.B. 1934, College of the City of New York	N.Y.	A.B. 1927, Marietta College LL.B. 1937, The George Washington University	Va.
Wetherill, John Price (Law I) M.S. 1928, The George Washington University	D.C.	Wilson, William Lyne (Law III) A.B. 1927, Washington and Lee University	Md.
Whalan, John Edward, Jr. (Law III)	Utah	Wise, George Waller (Law III) A.B. 1936, The George Washington University	Md.
Whaling, Clifton Wendell (Law II) A.B. 1932, Michigan State Normal College	Va.	Wiser, Ralph Lloyd (Law III) A.B. 1934, The George Washington University	Wyo.
Wharton, Maude C. (Law I) A.B. 1935, The George Washington University	Tex.	† Witherspoon, Robert C. (Law I) B.S. 1937, University of Utah	Wash.
Wheeler, Floyd Stead (Law, Uncl.) E.E. 1911, Syracuse University	Va.	Wolfstone, Leon Levy (Law III) A.B. 1936, State College of Wash- ington	D.C. Va.
† Whims, James Leo (Law I) B.S. 1934, Pennsylvania State Teach- ers College (West Chester)	Pa.	Woodley, Frederick William (Law I) Woods, Edwin Kirby (Law I)	Pa.
White, Elijah Brockenborough, Jr. (Law III) B.S. 1931, Clemson Agricultural College	Va.	B.S. 1930, University of California Woodside, Byron Darlington (Law I) B.S. 1930, University of Pennsylvania A.M. 1934, The George Washington University	Ill. D.C. Va.
White, George Alton (Law III) White, George Howard (Law, Uncl.) A.B. 1934, Princeton University LL.B. 1937, Harvard University	Utah Va.	Woodside, Lehman Frank (Law II) Woodward, Walter Francis (Law I)	
White, Joe (Law I) A.B. 1936, Newberry College	Ga.	† Wright, James Otis (Law III) B.S. 1934, North Carolina State College	Mass.
† White, Richard M. (Law III) A.B. 1930, University of Maryland	Ill.	Wye, William James (Law I) B.S. 1930, Massachusetts Institute of Technology	S.C.
Whittle, Perry D. (Law III)	Idaho	Wylie, Frances (Law I) B.S. 1935, Winthrop College	Va.
Whites, Orville E. (Law II)	Wis. Conn.	Wysa, Walther Erwin (Law II) B.S. in E.E. 1933, M.S. in E.E. 1934, University of Wisconsin	Del.
Whisman, Herbert Tuttle (Law III) Wildman, Robert Aprill (Law I) B.S. in C.E. 1937, The George Washington University	Conn.	Yaeger, Erwin Albert (Law III) B.S. 1927, University of Delaware M.S. 1929, Massachusetts Institute of Technology	D.C. Utah
Wilkins, Anne Anderson (Law III) A.B. 1934, Winthrop College	D.C.	Yarnall, Philip (Law I)	
Wilkins, Donald Leroy (Law, LL.M.) A.B. 1931, Olivet College LL.B. 1935, The George Washington University	D.C.	† Young, Sherman C. (Law I) B.S. 1937, University of Utah	D.C.
Wilkinson, Glen A. (Law III) B.S. 1934, Brigham Young University	Utah	Zalkind, Albert Mitchell (Law I) B.S. in M.E. 1936, College of the City of New York	Ill. Ohio
† Williams, Ames William (Law II) A.B. 1935, The George Washington University	N.J.	Zepul, Constantine (Law I) Zimmers, Neal Foster (Law III) A.B. 1933, Denison University	Wis.
Williams, Lyle LaVerne (Law I) B.S. in M.E. 1933, University of Michigan	D.C.	Zuehlke, Raymond Charles (Law I) A.B. 1932, A.M. 1933, University of Wisconsin	D.C.
Williams, Robert Hays (Law III) Williamson, Howard Carl Henry (Law II) B.S. 1930, State University of Iowa	Ark. Iowa	† Zuras, Marie Amelia (Law III) A.B. 1934, American University	
Williamson, Robert Grant (Law II) Willis, Robert Eugene (Law I) A.B. 1935, Oklahoma Agricultural and Mechanical College	Minn. Okla.		
† Wilson, B. Douglas (Law I) B.Eng. 1929, Johns Hopkins Uni- versity	D.C.		

# SUMMARIES OF REGISTRATION

1937-38

## NUMBER OF REGISTRATIONS

Candidates for the degrees of Bachelor of Laws and Juris Doctor:

	1st Sem	2d Sem.	Year
First year.....	444	449	495
Second year.....	300	293	307
Third year.....	194	173	199
Total .....	938	915	1001
Candidates for the degree of Master of Laws.....	26	23	31
Total candidates for degrees.....	964	938	1032
Unclassified students.....	16	12	16
Total .....	980	950	1048

## GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Alabama.....	19	New Jersey .....	20
Arizona.....	9	New Mexico .....	11
Arkansas.....	21	New York .....	69
California.....	20	North Carolina .....	14
Colorado.....	12	North Dakota .....	7
Connecticut.....	16	Ohio .....	27
Delaware.....	4	Oklahoma .....	25
District of Columbia.....	184	Oregon .....	4
Florida.....	6	Pennsylvania .....	40
Georgia.....	21	South Carolina .....	9
Idaho.....	24	South Dakota .....	5
Illinois.....	35	Tennessee .....	20
Indiana.....	7	Texas .....	25
Iowa.....	12	Utah .....	62
Kansas.....	14	Vermont .....	3
Kentucky.....	21	Virginia .....	66
Louisiana.....	5	Washington .....	12
Maine.....	5	West Virginia .....	15
Maryland.....	35	Wisconsin .....	16
Massachusetts.....	14	Wyoming .....	3
Michigan.....	15	Germany .....	1
Minnesota.....	9	Hawaii .....	1
Mississippi.....	17	Holland .....	1
Missouri.....	26	Panama .....	1
Montana.....	11	Philippine Islands .....	1
Nebraska.....	14	Puerto Rico .....	1
Nevada.....	6		
New Hampshire.....	7	Total .....	1048



## GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL

Agnes Scott College.....	1	Dayton, University of.....	1
Akron, University of.....	1	Delaware, University of.....	5
Albright College.....	1	Denison University.....	2
Alabama Polytechnic Institute...	4	Denver, University of.....	1
Alabama, University of.....	7	DePauw University.....	1
American University.....	7	Detroit College of Law.....	1
Arizona State Teachers College, Tempe.....	1	Dickinson College.....	2
Arizona, University of.....	3	Doane College.....	1
Arkansas College.....	2	Drake University.....	3
Arkansas, University of.....	2	Drexel Institute of Technology...	3
Augustana College.....	1	Drury College.....	2
Baylor University.....	2	Dubuque, University of.....	5
Berea College.....	2	Duke University.....	3
Boston University.....	4	Emory University.....	1
Bowdoin College.....	2	Evansville College.....	1
Bradley Polytechnic Institute...	1	Florida, University of.....	1
Brigham Young University.....	6	Franklin College of Indiana.....	2
Brooklyn College.....	7	Franklin and Marshall College...	1
Brooklyn, Polytechnic Institute of	3	Furman University.....	1
Brown University.....	2	George Washington University, The	123
Bucknell University.....	2	Georgetown University.....	6
Buffalo, University of.....	1	Georgia School of Technology...	1
Butler University.....	1	Georgia State Women's College...	2
California Institute of Technology	1	Georgia, University of.....	4
California, University of, at Berke- ley.....	6	Gettysburg College.....	1
California, University of, at Los Angeles.....	2	Grinnell College.....	1
Calvin College.....	1	Grove City College.....	1
Case School of Applied Science...	2	Gustavus Adolphus College.....	1
Catholic University of America...	2	Hamilton College.....	2
Centre College of Kentucky.....	2	Hampden-Sydney College.....	1
Charleston, College of.....	1	Hardin-Simmons University.....	16
Chattanooga, University of.....	1	Harvard University.....	1
Chicago, University of.....	6	Hastings College.....	1
Cincinnati, University of.....	1	Heidelberg College.....	1
Citadel, The.....	1	Henderson State Teachers College	3
City of New York, College of the	15	Hendrix College.....	3
Clemson Agricultural College.....	1	Holy Cross, College of the.....	1
Colby College.....	2	Hood College.....	1
Colgate University.....	2	Howard College.....	4
Colorado, University of.....	6	Hunter College.....	1
Columbia University.....	12	Idaho, College of.....	5
Connecticut State College.....	1	Idaho, University of.....	1
Cooper Union.....	2	Illinois, College.....	10
Cornell University.....	8	Illinois, University of.....	1
Craigton University.....	1	Indiana University.....	1
Cumberland University.....	1	Intermountain Union College...	4
Daniel Baker College.....	1	Iowa, State University of.....	5
Dartmouth College.....	5	Johns Hopkins University.....	1
Davidson College.....	3	Kansas State College of Agricul- ture and Applied Science.....	4
Davis and Elkins College.....	1	Kansas, University of.....	1
		Kentucky State Teachers College...	1
		Western.....	

Kentucky, University of.....	5	North Carolina, University of.....	5
Kenyon College.....	1	North Dakota, University of.....	1
King College.....	1	Northwestern University.....	4
Knox College.....	1	Norwich University.....	1
Lafayette College.....	1	Notre Dame, University of.....	2
Lebanon Valley College.....	1	Oberlin College.....	2
Lehigh University.....	4	Ohio State University.....	4
Lincoln Memorial University.....	1	Ohio University.....	2
Lindenwood College for Women...	1	Oklahoma Agricultural and Me-	
Louisiana College.....	1	chanical College.....	4
Louisiana Polytechnic Institute...	1	Oklahoma Central State Teachers	
Louisiana State University.....	1	College.....	1
Louisville, University of.....	4	Oklahoma East Central State	
Maine, University of.....	2	Teachers College.....	1
Marietta College.....	1	Oklahoma Southeastern State	
Marshall College.....	2	Teachers College.....	2
Mary Baldwin College.....	1	Oklahoma, University of.....	4
Maryland, University of.....	11	Olivet College.....	1
Massachusetts Institute of Tech-		Oregon, University of.....	2
nology.....	8	Pennsylvania State College.....	5
Michigan State College of Agricul-		Pennsylvania State Teachers Col-	
ture and Applied Science.....	2	lege, West Chester.....	2
Michigan State Normal College...	3	Pennsylvania, University of.....	15
Michigan, University of.....	16	Phillips University.....	1
Michigan Western State Teachers		Pittsburgh, University of.....	5
College.....	3	Plymouth Normal School.....	1
Middlebury College.....	2	Princeton University.....	12
Mills College.....	1	Puerto Rico, University of.....	3
Minnesota, University of.....	8	Purdue University.....	2
Mississippi State College.....	2	Radcliffe College.....	1
Mississippi State College for		Randolph-Macon Woman's College	3
Women.....	1	Rensselaer Polytechnic Institute...	3
Mississippi State Teachers College,		Rice Institute.....	1
Hattiesburg.....	1	Richmond, University of.....	3
Mississippi, University of.....	4	Roanoke College.....	3
Missouri State Teachers College		Rollins College.....	2
(Central).....	1	Rutgers University.....	2
Missouri State Teachers College		St. John's College.....	5
(Southeast).....	1	St. John's University, Minnesota...	1
Missouri, University of.....	5	St. Mary College.....	1
Montana State University.....	2	St. Teresa, College of.....	1
Muhlenberg College.....	1	Santa Barbara State College.....	2
Nebraska State Teachers College,		Simmons College.....	1
Chadron.....	3	Skidmore College.....	1
Nebraska, University of.....	6	Smith College.....	1
Nebraska Wesleyan University...	1	South, University of the.....	8
Nevada, University of.....	2	South Carolina, University of....	2
New Mexico School of Mines.....	1	South Dakota, University of.....	1
New Mexico, University of.....	5	Southern California, University of	2
New Rochelle, College of.....	1	Southern Illinois State Normal	
New York State College for Teach-		University.....	1
ers.....	1	Southern Methodist University...	1
New York University.....	7	Southwestern.....	1
Newberry College.....	1	Stanford University.....	3
North Carolina State College.....	1	Stevens Institute of Technology..	6

Susquehanna University.....	1	Washington University.....	3
Swarthmore College.....	1	Washington, University of.....	4
Sweet Briar College.....	2	Washington and Lee University..	9
Syracuse University.....	3	Wellesley College.....	1
Technical University, Munich, Ger- many .....	1	Wesleyan College.....	5
Temple University.....	2	West Virginia University.....	1
Tennessee, University of.....	3	Wheaton College, Illinois.....	3
Texas Technological College.....	1	Wichita, Municipal University of.	3
Texas, University of.....	6	William Jewell College.....	1
Thiel College.....	1	William and Mary, College of....	1
Toledo, University of.....	1	Wilson Teachers College.....	2
Trinity University.....	1	Winthrop College.....	2
Tufts College.....	1	Wisconsin State Teachers College, Milwaukee .....	2
Tulsa, University of.....	2	Wisconsin, University of.....	7
Union College, New York.....	1	Wofford College.....	2
United States Coast Guard Acad- emy .....	1	Wooster, College of.....	1
United States Naval Academy...	15	Worcester Polytechnic Institute..	3
Utah State Agricultural College..	8	Wyoming, University of.....	2
Utah, University of.....	22	Yale University.....	7
Vanderbilt University.....	2	Yankton College.....	1
Vassar College.....	2		
Vermont, University of, and State Agricultural College.....	2	Total.....	816
Virginia Military Institute.....	3	Counted twice.....	62
Virginia Polytechnic Institute....	1	Number of college graduates.....	754
Virginia, University of.....	9	Number of colleges repre- sented .....	244
Wake Forest College.....	2	Candidates for degrees who are college graduates....	695
Washington College.....	1	Per cent .....	67.6
Washington, State College of....	1		



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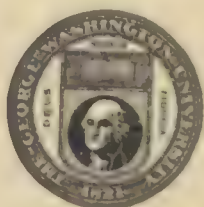
THE  
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BULLETIN

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*Symposium on Government Corporations  
July 15 to 22, 1938*

THE LAW SCHOOL



WASHINGTON, D. C.

1938



## CONCERNING THE SPEAKERS

Barnet Hodes is corporation counsel of the city of Chicago. In addition to administering the law department of that city, he has been a member of the Illinois Tax Commission and an alderman of the city of Chicago, and is the author of *Law and the Modern City*, *It's Your Money*, and *Essays in Illinois Taxation*. He lectures on municipal law at Northwestern University. He also holds the position of president of the Institute of Municipal Law Officers.

Murray Seasongood, formerly mayor of the city of Cincinnati, is now engaged in the active practice of law in the firm of Paxton and Seasongood in the city of Cincinnati, and is a member of the Ohio bar. He lectures on municipal corporations at the University of Cincinnati Law School, has published a casebook on municipal corporations, and is chairman of the Municipal Law Section of the American Bar Association.

Paul V. Betters is executive director of the United States Conference of Mayors. He has had a wide experience in the conduct of public affairs in many capacities, is the author of *Federal-City Relations*, and is perhaps the outstanding authority on the development of that subject.

E. H. Foley, Jr., is assistant general counsel of the United States Treasury Department. He was formerly general counsel of the Public Works Administration, and is widely known for his lectures and articles published in the leading legal periodicals.

O. R. McGuire is counsel to the Comptroller General of the United States, and sometime special assistant to various Attorneys General of the United States. He collaborated with the late James M. Beck, formerly Solicitor General of the United States, in writing *Our Wonderland of Bureaucracy*. Mr. McGuire has been a member of American Bar Association Committee on Administrative Law since its organization in 1933 and for two years its chairman.

Claude E. Hamilton, Jr., formerly mayor of the city of Greenville, Alabama, has been with the legal staff of the Reconstruction Finance Corporation almost since its organization, first as counsel, then as assistant general counsel, and now as general counsel. During 1937 he was general counsel of the Disaster Loan Corporation.

James Lawrence Fly is general counsel of the Tennessee Valley Authority. After an association with White and Case of New York City, he entered the Government's service in the Anti-Trust Division of the Department of Justice as special assistant to the Attorney General. From there he went to the Tennessee Valley Authority. Mr. Fly is the author of several legal articles dealing with anti-trust laws and with the Government's control of waterways.

# THE GEORGE WASHINGTON UNIVERSITY

*announces*

## THREE ILLUSTRATED LECTURES ON ASTRONOMY

*by*

GEORGE GAMOW, PH.D.

Professor of Theoretical Physics at The George Washington  
University; pioneer investigator in the field of nuclear physics.



WASHINGTON, D.C.  
1938

personnel problems; democratic processes of administration. 1 hrs., 7.30 P.M. (first semester).





LECTURE I  
THE EVOLUTION OF STARS

Monday, November 7, 1938, at 8.15 P.M.

In this lecture Dr. Gamow will discuss the theories which are at present advanced to explain the origin of stellar energy, with particular reference to the nearest star, our own sun. Dr. Gamow is one of the foremost contributors in this field.



LECTURE II  
NEW STARS

Monday, November 14, 1938, at 8.15 P.M.

In this lecture the topics introduced in the first lecture will be extended to the consideration of "novae", those "new" stars which upon rare occasions burst into brilliance and then rapidly fade away. The Star of Bethlehem may have been a star of this nature.



LECTURE III  
ISLAND UNIVERSES

Monday, November 21, 1938, at 8.15 P.M.

In this lecture Dr. Gamow will discuss those remote galaxies which appear only as faint specks of light, seen for the most part only with powerful telescopes. Paradoxically, their very remoteness reveals to us scientific knowledge which cannot be obtained by the study of our own galaxy.



These lectures will be open to the public and will be given in Room 102, the Hall of Government, 710 Twenty-first Street, N. W.

personnel problems; democratic processes of administration. 1 hour, 7.30 P.M. (first semester).



THE  
GEORGE  
WASHINGTON  
UNIVERSITY

BULLETIN

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THE DEPARTMENT OF JOURNALISM

SPECIAL ANNOUNCEMENTS 1938-39



WASHINGTON, D.C.

1938

personnel problems; democratic processes of administration. 4 HOURS, 1:30 P.M. (first semester).



## STAFF OF INSTRUCTION

Mr. Duffy, a graduate of Dartmouth College, has engaged in writing and executive newspaper work in various sections of the country. For seven years he was news editor of the Washington Bureau of the Associated Press. He is now on the staff of the *United States News*.

Mr. Robertson, a graduate of the University of Michigan, has covered a number of the major news stories of the last decade as a reporter for the United Press and for the Associated Press. News of Government and politics was his specialty in assignments to cover developments in Congress and the Government departments. He is at present senior specialist in information and assistant director of the Division of Information of the Farm Security Administration.

Mrs. Lane is a graduate of The George Washington University. She has had considerable experience in the preparation of feature material for newspapers and magazines and is Director of the Press Bureau of the University.

Mr. Moore, a graduate of Dartmouth College, formerly was associated with the *Nation's Business*, the publication of the Chamber of Commerce of the United States, and now is associated with *The Washington Post*. Advertising writing and selling is his special field.

WASHINGTON, D. C.



### The School of Education

#### SPECIAL ANNOUNCEMENTS 1938-39

The School of Education announces the following courses to be offered during 1938-39, in addition to those previously announced in the General Catalogue of the University:

3 *The Prevention and Correction of Reading Difficulties* (2) Hilder

A practical approach to remedial problems in reading. Although the course is primarily designed for those with previous training in remedial reading, others with suitable backgrounds of training and experience will be admitted. Opportunity to earn three semester-hours of credit may be arranged. Sat., 9.10 to 11 A.M. (first semester).

7 *Business Education: Materials and Methods in the Teaching of Typewriting, Shorthand, and Related Office Practice* (2) Kyker

Aims and objectives; subject matter derived by job analyses; testing and standards of achievement; the functional and direct methods of teaching typewriting; the scientific keyboard; an integrated course in office practice. Thurs., 7.30 P.M. (first semester).

8 *Seminar: Elementary Education in the Intermediate Grades* (3)

Coyner, Adams, Eaves

For elementary-school teachers and administrators. A comprehensive study of the major problems of the intermediate grades. Emphasis upon new developments and recent trends. Sat., 11.10 to 1 P.M. (second semester).

9 *Seminar: Administration of Elementary Education* (3)

Coyner, Lind, Fox

Admission, classification, promotion, and control of pupils; differentiated curricula; experimental programs; the unusual child; administrative routine; maintenance, supplies, and building standards; health and safety services; community relationships; personnel problems; democratic processes of administration. Thurs., 7.30 P.M. (first semester).

SCHEDULE OF COURSES IN EDUCATION  
FIRST SEMESTER, 1938-39

HOOR	NUMBER	TITLE	CREDIT	INSTRUCTOR
<i>Monday, Wednesday, and Friday</i>				
11.10 A.M.	151A	Secondary Education: The Junior and Senior High School .....	3	Fox
5.10 P.M.	151B	Secondary Education: The Junior and Senior High School .....	3	Fox
<i>Tuesday and Thursday</i>				
11.10 A.M.	115A	Methods of Teaching in the Junior High School .....	2	Coyner
5.10 P.M.	115B	Methods of Teaching in the Junior High School .....	2	Coyner
5.10 P.M.	211	Seminar: Educational Classics .....	3	Ruediger
6.10 P.M.	219	Seminar: Philosophy of Education .....	3	Ruediger
<i>Monday</i>				
7.30 P.M.	199	Proseminar: The Organization of the School Health Program .....	3	Bayh
<i>Tuesday</i>				
7.30 P.M.	213	Seminar: Origins of American Education .....	3	French
7.30 P.M.	251	Seminar: Secondary Education .....	3	Fox
<i>Thursday</i>				
7.30 P.M.	167	Business Education: Materials and Methods in the Teaching of Typewriting, Shorthand, and Related Office Practice .....	2	Kyker
7.30 P.M.	229	Seminar: Administration of Elementary Education .....	3	Coyner, Lind Fox
<i>Saturday</i>				
9.10 A.M.	123	The Prevention and Correction of Reading Difficulties .....	2	Hilder
9.10 A.M.	259	Seminar: Administration of Secondary Education .....	3	Fox
11.10 A.M.	249	Seminar: The Curriculum .....	3	French
<i>Hours to be Arranged</i>				
	129	Observation and Cadet Teaching .....	2 to 6	Coyner
	225	In-Service Research .....	3	Staff
	283	Research Problems .....	3	Ballou
	291	Thesis .....	3	Staff

The School of Education includes the Departments of Education, Home Economics, and Physical Education and has access to the resources of all other departments in the University. In particular, the following related courses are offered in other departments: English 193, *An Introduction to the Study of Poetry*; Physical Education for Women 105, *Physical Health Administration*; Physical Education 211, *Physical Education in Elementary Schools*; Psychology 121, *Educational Psychology*; Psychology 125, *Child Psychology*; Psychology 120, *Educational and Vocational Guidance*; Psychology 131, *Psychological Tests*; Psychology

In addition to courses in remedial reading at The George Washington University she has conducted similar courses during the past summer at the Portland Summer School in Dr. Proffitt holds the degree of Master of Arts from the University of Chicago and the degree of Doctor of Philosophy from American University. In addition to educational service as teacher, principal, and superintendent, he has had extensive experience in



SUMMARIES OF DOCTORAL THESES

1936-38



THE  
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SUMMARIES OF DOCTORAL THESES  
1936-38

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WASHINGTON, D.C.

PUBLISHED IN MCMXXXVIII

BY THE UNIVERSITY





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SUMMARIES OF THESES SUBMITTED FOR  
THE DEGREE OF DOCTOR OF PHILOSOPHY

1936-38



## THE PROFESSIONAL ASPECTS OF TEACHER-EDUCATION IN AMERICAN UNIVERSITIES DURING THE NINETEENTH CENTURY

by RUTH EMMA COYNER •

The professional education of teachers in American universities had its origin in that feature of the educational revival of the nineteenth century which demanded professionally trained teachers for public schools. By 1900 the extraordinary growth in educational opportunity placed a burden on the normal school for which it was quite unfitted.

Supporting the need for some institution to supplement the normal school in the education of teachers were other factors in the introduction of teacher-preparation by the university. Among these were (1) teaching weaknesses revealed through the practice of high-school inspection for the purpose of admitting students to the university without examination; (2) the demand that women be admitted to the university; (3) certification requirements, which the universities sought to enable their graduates to meet; (4) the desire "to bring the university into harmony with the public school system" and thereby exercise an educational leadership hitherto unknown; and (5) the demand that the university make a systematic study of the problems of teacher-education.

If we discount the early activity of the University of the City of New York (now New York University) on the ground that it produced no tangible results, we may say that the movement for the education of teachers in the university began in the State university during the nineteenth century. Certain of the branches of the University of Michigan had normal departments, with students therein, between 1838 and 1849. In 1840 Tennessee College (now the University of Tennessee) had a member of the faculty whose title included that of "lecturer on school teaching".

Teacher-education was also considered by privately controlled universities before 1851; Indiana Asbury (later DePauw), Ohio Wesleyan, and Illinois Wesleyan all gave evidence of having an interest in the professional preparation of teachers, although the normal school called for by the charter of Illinois Wesleyan does not seem to have functioned at the opening of that institution.

In neither publicly controlled nor privately controlled university was the movement for teacher-education notably successful when first attempted.

With the turn of the half-century there came a general renewal of

• B.S. 1927, Oklahoma Central State Teachers College; A.M. 1931, The George Washington University; Ph.D. conferred February 22, 1937.



interest and activity in the education of teachers, indicated particularly among the universities of the North Central and Central regions. Various reasons are advanced for this Midwestern activity. The Eastern States had public school systems, and normal schools with which to supply teachers; the Southern States had no public school systems (*per se*), and, in consequence, there was little public support for the professional training of teachers; while in the Far West the States and territories were yet largely unorganized. Again in the Midwest, the ideal of a State educational system extending from kindergarten to university had its first realization. In this region, also, the tax-supported high school was brought into unusually close relationship with the State university, largely through the operation of the university accrediting system. Straitened circumstances attendant upon pioneer communities influenced the establishment of normal departments in universities rather than the more expensive separate normal schools.

The Midwest also felt the influence of the Western Literary Institute and College of Professional Teachers, which is the second-oldest educational association of a national or semi-national character in the United States. So influential was this association that it is said to have contributed more than any other agency, perhaps, to the upbuilding on a solid foundation of the great free-school system of the West, and to the introduction therein of the best methods of teaching.

Other sections of the United States were somewhat later in placing the education of teachers in the university. In the South the movement was delayed until after the Civil War, when the reconstruction constitutions generally contained permissive legislation for teacher-education. The Secretary of the Peabody Fund aided in making that legislation function by contributing funds for conducting normal schools, sometimes in the State university. The "charity" aspect of public education in the South appeared in the "pauper's oath" sometimes exacted of those who wished to take advantage of public education. But in the South perhaps the compelling force which brought teacher-preparation into the university was the prospect that the public school systems were faced with certain failure if some means were not found whereby teachers might be prepared for them. The university, being already organized, was readily available for this purpose. Privately controlled universities of the South were little concerned with teacher-education during the nineteenth century.

In the Far West the publicly controlled universities were more prominent in the teacher-training movement than were the privately controlled institutions. There the normal school was very prominent in both types of university. Especially did it tend to remain so in the publicly controlled university. Of all these Far Western universities, Leland Stan-

ford was unique in having a department of education rather than a normal department from the origin of the university.

In the Eastern States the publicly controlled university was no factor at all in the education of teachers during the nineteenth century. The privately controlled universities of this section, on the other hand, became so active in the movement after 1880 that they tended to take over the leadership in that movement formerly exercised by the publicly controlled universities of the Midwest.

Sectarian interest had some relation to teacher-education in the university. Of the various denominational universities represented in this study those of the Methodist Church were the most active. The Baptist Church, through Brown and Baylor Universities, and the Christian Church, through Drake and Butler Universities, also indicated their early interest in the work. The Roman Catholic universities indicated no interest whatever in the professional education of teachers during the nineteenth century.

Two sources of foreign influence are apparent in the adoption of teacher-education by the American universities. One is the acknowledged German influence which first manifested itself in the normal-school movement from which the earliest teacher-training in the university was derived.

The second source of foreign influence came from the Scottish and English universities, particularly through the writings of Hamilton, Fitch, Laurie, Meiklejohn, Bain, and Quick. The works of all these men were widely read in this country during the nineteenth century. Particularly was the Scottish and English influence apparent in the establishment of the Chair of Science and the Art of Teaching at the University of Michigan in 1879. Payne was familiar with the Chair of the Science and Art of Education in the College of Preceptors, Bloomsburg, England, established in 1873, and the Bell Chairs of the Science and Art of Teaching, established in 1876 at the Universities of Edinburgh and St. Andrews, in Scotland. In his earliest courses at the University of Michigan Payne used only English works in addition to his own writings. His *Contributions to the Science of Education* indicate that Payne was very deeply influenced by Spencer and other English writers.

Professional education for teachers was introduced into the American universities without benefit of any pattern for that work which was of university level. It might have been made to follow the practice of the German university, but, in the absence of men trained in those universities, without the necessary library, funds, and the support of public opinion, no such procedure occurred. The need for trained teachers for the public schools was urgent, and there was great pressure brought to bear on the university to assist in the training of those teachers. Thus



it came about that the university turned to the only readily available institution which had studied the training of teachers, namely, the normal school. Reluctance to be classed with the normal schools caused the universities to make all manner of deviation from normal-school practice, while employing its terminology, in an attempt to avoid that stigma.

The titles of the pedagogical courses in the universities, particularly those of the period before 1890, leave the reader with only a confused idea of how that work was organized. Titles of those courses included: model school for teachers, academical English and normal department, English literature and normal instruction, English and normal class, normal school, normal class, professional normal instruction, department of didactics of theory and art of teaching, methods courses, English department and normal school, lectures for teachers, science course and normal school, and other variations of these titles.

The publicly controlled universities tended to use normal-school terminology and practice, but the privately controlled universities tended to shun the normal school.

Entrance requirements for normal students in the universities of the nineteenth century were subject to frequent change, due to the efforts of the universities to raise the level of normal instruction. Generally speaking, however, they fall into four classes: (1) those which called only for membership in the university without regard for academic (i. e., class) standing; (2) those which were similar to normal-school entrance requirements, having age, grade (i. e., examination), and moral-character requirements; (3) those which required only intent to teach; and (4) those which required university standing of a specified level (i. e., junior, senior, or graduate). The publicly controlled universities were more likely to have the typical normal-school entrance requirements than were the privately controlled institutions.

Concessions for teachers were more likely to be found in the publicly controlled than in the privately controlled universities. They were chiefly in the form of free tuition or scholarships, given upon the written declaration of intent to teach.

Students who pursued the early courses in normal instruction were not always given special recognition for that work, but shortly after certification requirements were raised the universities began the practice of conferring certificates, diplomas, and then professional degrees upon those who followed a prescribed normal course of study. The action of the Iowa legislature in making the diploma from the normal department satisfactory legal evidence of fitness to teach (1858) was soon followed by similar legislation in other States.

There were two distinct trends in the organization of the professional courses for teachers in the universities of the nineteenth century. The first of these was the rise and development of methods courses, designed



for the teacher of the secondary school, and taught by the instructor in that subject in the university. In the order in which they appeared in the university these courses were, first, the ancient languages; second, science; and third, modern languages. This order holds for both privately controlled and publicly controlled universities. Methods courses of this type were particularly prevalent in the universities of the Middle West.

The second trend in the professional courses for teachers in the universities of the nineteenth century was that which changed the elementary, normal-school type, based upon practical experience and observation, into the independent, university-type field of subject matter, based on history, philosophy, research, and investigation. The evolution began when professors of philosophy undertook to expound the educational doctrines of reformers such as Plato, Locke, Rousseau, Comenius, and Spencer. When it became manifest that the university would be virtually forced to undertake the professional education of teachers on an extensive scale, the faculty cast about for some subject of pedagogical study that possessed the qualities and characteristics of an approved member of the academic faculty of intellectual subjects. The first subjects to receive this approval were the history and the philosophy of education. The importation of experimental psychology added a third subject of study which was acceptable to the university. Other subjects which came into the university study of professional education during the nineteenth century include child study, Herbartianism, administration and supervision, comparative school systems, and many others of a more or less unspecialized nature. Practice teaching was always known, especially in the publicly controlled university. At the close of the nineteenth century it was becoming increasingly utilized, especially when the universities realized that the lack of it was a handicap to their graduates.

Very seldom during the early days of the teacher-training movement in the university was there enough work to engage the entire attention of one member of the faculty. This led to the practice of having the normal work combined with that of some other department. The most frequent combination at first was with the English department, the professor of English being also the professor of normal instruction. Later the normal instruction was frequently given by the professor of ancient languages, but it might also be given by the professor of history, science, mathematics, agriculture, philosophy, ethics, metaphysics, or by any other member of the faculty.

The first university instructors who had received specific training in professional education came from the normal schools. When the university enlarged its teacher-training to include the preparation of teachers for secondary schools it called upon men who had engaged in public-school work to conduct that training. Not until the universities finally undertook a genuine university program of teacher-education did

the professor of pedagogy (later the professor of education) tend to be one who had been specifically trained for that work.

Some of the findings of this study, other than those already pointed out, include the following:

1. Ninety per cent of the publicly controlled (i. e., State and territorial) and 70 per cent of the leading privately controlled universities of the United States undertook to furnish professional education for teachers at one time or another during the nineteenth century.
2. It seems improbable that New York University offered the first course of lectures on professional education in any university of this country.
3. Factors which retarded the development of teacher-education in the university included (a) the antagonism of the separate normal-school interests who feared an invasion of their "field" and the consequent competition before the legislature for funds; (b) the opposition of alumni and others to the entrance of women into the university; and (c) the dislike of the university faculty for the subcollegiate type of work which normal training represented.
4. The statement by Morehouse that Frank McMurry carried on the first practice teaching in any university might be challenged by any number of universities, including Brown (1851), Delaware (1851), Alabama (1872), Kansas (1878), Missouri (1879), South Carolina (1888), North Dakota (1892), California (1892), Nevada (1893), Utah (1893).
5. Illinois Wesleyan introduced university extension about thirteen years before it is generally regarded as having been introduced into this country.
6. Among the universities included in this study, the University of Missouri made the first provision for a professional degree in pedagogy (1867).
7. The State of Iowa was the first to make the diploma from the normal department in the university legal evidence of fitness to teach.
8. The University of North Carolina claims to have had the first *summer normal school* in connection with an institution of higher learning in this country (1877).
9. Nationally known educators were virtually unanimous in their advocacy of teacher-training in the university during the second half of the nineteenth century.
10. Educators who had been trained abroad undoubtedly stimulated the movement for the education of teachers in universities, but

the way had been so thoroughly prepared for them by men such as Hinsdale, Boone, Mann, Barnard, Read, Tappan, Hill, Angell, and Wayland that it is possible that the importance of these foreign-trained men has been overestimated.

11. Brown University seems to have had the first genuine university department of education as well as the first in-service training for teachers.
12. The adoption of the elective system greatly facilitated the introduction of teacher-education in the university.
13. The presence or absence of separate normal schools had a marked effect upon the adoption of professional education of teachers by the university.
14. Although the men who were trained abroad moved from university to university, there was something of a tendency for them to go first to publicly controlled institutions, and then to the privately controlled ones.
15. The professional aspects of teacher-education in the universities of the nineteenth century were evidently more generally found than is sometimes stated.



## HISTORY OF THE TEACHING OF POLITICAL SCIENCE IN THE COLLEGES AND UNIVERSITIES OF THE UNITED STATES 1636-1916

by ANNA HADDOW\*

In the Harvard College curriculum of 1642 "Politicks" was listed as a unit of philosophical study. Since that time some aspect of political-science subject matter has been a part of college curriculums. In the colonial colleges the elements of political science were taught to some degree through courses in moral philosophy. This subject of study considered the rights and obligations of man in his individual and social capacity, with politics the subdivision which was concerned with the problems of civil society. Brief mention of civic duties in some courses was expanded in others to comprehensive discussions of man's political relations.

The elements of international law or "law of nations" were taught through moral philosophy also, in discussions involving the application of the law of nature to the relations between states. This phase of instruction was moralistic in considering what regulations ought to be observed by sovereign states.

In disputations students applied a knowledge of political theory and governmental responsibility. Titles of theses defended at commencement exercises indicate study of fundamental principles. By 1750 they had application to contemporary problems in reflecting the state of public opinion toward the policies of the British Government.

In two institutions "government" was specifically mentioned as a phase of instruction—King's College in 1755, which offered "something of . . . the Chief Principles of Law and Government", and the College of Philadelphia, which in 1756 provided for a course embracing ethics, natural and civil law, and an introduction to laws and government.

In the colonial period and early days of the Republic instructors included such men as William Smith at the College of Philadelphia; Thomas Clap, Ezra Stiles, and Timothy Dwight at Yale College; Bishop Madison at the College of William and Mary; John Daniel Gros at Columbia College; and John Witherspoon and S. S. Smith at the College of New Jersey. Most of them were college presidents, who either had had experience in public affairs or had shown active interest. Although instruction in moral philosophy was apparently speculative in character, as revealed through printed lectures and textbooks, it is possible that their classroom lectures may have referred to current events. The chief

\*A.B. 1926, A.M. 1927, Pennsylvania State College; B.S. in L.S. 1928, Drexel Institute of Technology; Ph.D. conferred June 9, 1927.

political treatises quoted, however, were those by Grotius, Pufendorf, Burlamaqui, Vattel, and Montesquieu, with Aristotle's *Politics* the basic source of information, none of which had contemporary content or discussions of the practical problems confronting national and State governments.

By 1825 textbooks and lectures in moral philosophy were more comprehensive than in the colonial period. In urging the moral improvement of man, social institutions were described and human relationships analyzed. Politics was included as a final phase of the course, along with international relations, sometimes with separate textbooks. Some college statutes and courses of study specifically listed "civil polity", "natural and political law", and "civil policy" as units in the moral-philosophy course. Textbooks, however, were still theoretical, with only an occasional footnote or illustration which mentioned the new Republic. The College of William and Mary through its devotion to Jeffersonian principles had closest contact with political developments. Texts in use there reflected passionate loyalty to the doctrine of natural rights and freedom from the tyranny of government, which in the 1790's came to be applied to Federalist policies.

Among topics for commencement disputation and oratory, political philosophy continued to have a place. Classroom disputations dealt with theoretical and practical politics, if we may judge by those topics disputed at Yale. With independence achieved, the civil conflicts of the late seventeenth century continued to be reflected in such topics as taxation, navigation of the Mississippi River, issuance of paper money, powers of Congress, and ratification of the acts of the Philadelphia Convention of 1787. After 1800, disputations gradually declined in importance as a required academic exercise, becoming in time declamations or argumentative essays not closely associated with classroom instruction.

By 1825, also, certain other subjects in the college curriculum contained materials identical with or closely related to the subject matter of political science. The introduction of law as a college study (at William and Mary in 1779) was a recognition at first of a need to train citizens rather than to prepare students for the practice of law. The content of preliminary lectures differed only slightly from the discussion of politics in moral-philosophy courses, stressing civic rights and obligations together with the forms, organization, and functions of government. In political economy, which was recognized as an independent study by the 1820's, the acts of government were considered in discussions of the relation of the state to wealth-production and consumption, in particular those relating to public finance, public welfare, and control of industry and trade.

Thus political science by 1825 was being taught through moral philosophy with contributions from law and political economy.



From the 1820's to the Civil War a tendency toward uniformity in courses of study was strengthened. Newly established colleges were ambitious to equal and reproduce the programs and activities of the older colleges. The requirement of familiarity with the contents of a textbook cultivated memory and accustomed the student to storing his mind with the thoughts and acts of the past. Some applications of theory to the present, however, were apparent in political economy and in certain courses in law. A partisan spirit was revealed in the lectures on political economy by Thomas R. Dew at William and Mary and by Thomas Cooper at South Carolina College. Other instructors preferred to moralize or speculate, rather than to espouse a cause.

Political science continued to be taught primarily through courses in moral philosophy, political economy, and municipal law until after the Civil War. The content of the universally required subject of moral philosophy, however, eventually narrowed to principles of conduct in individual and group relations. Law courses, at first non-vocational, became professionalized to a degree that excluded general civic training. Through political economy were treated still some phases of the problem of governmental activities. General history gradually became an accepted study and provided materials and background for the study of government.

By 1850, nevertheless, definite progress may be noted in the emergence of political science as an independent subject of study. Courses in political philosophy were frequently differentiated from philosophy proper. International law was a separate unit of study, as treatises published after 1825 tended to become more exact, with less speculation as to the nature and sanctions of natural law. Moreover, courses in "the Constitution" were given in many colleges from the 1820's. Although most of the courses to 1860 were only clause-by-clause surveys of the document and elementary in treatment, yet they were significant in dealing with the basis of existing government rather than with that of Greece and Rome.

Through the appointment of Francis Lieber to Columbia College in 1857 as professor of history and political science, recognition as a distinct body of subject matter was given political science in the title of his chair. With Lieber there was a close alignment between politics, history, and political economy, but no connection with moral philosophy. Through the use of his treatises on political ethics and civil liberty as textbooks the level of instruction in political philosophy was appreciably raised. Theodore D. Woolsey (president of Yale 1846-71) made his influence felt nationally through his writings on political philosophy and international law.

Systematic instruction in political science definitely became a part of college and university education in the period following 1865, particu-



larly after 1890. Thereafter, political science was taught through independent political courses and not through allied subjects. In many instances courses in government were a part of the curriculum offerings in history and economics, but were in no sense identified with them. Sometimes political courses developed out of historical subject matter. Courses in institutional history occasionally became courses in political institutions solely.

The effect of the Civil War upon the teaching of political science was not felt markedly for several decades, other than through a demand for continued instruction in the Constitution. The triumph of business enterprise as a result of the conflict meant ultimately increased endowments and gifts, which enabled colleges to expand their offerings. Electives were possible and thus encouragement was given to the development of subject matter that might otherwise have sought admittance in vain to the classical curriculum.

In the sixties and seventies separate courses in political science were offered at many institutions in the Constitution, international law, and political philosophy, the last-named often including political economy. In addition, much of theoretical and practical political content was still contained in moral philosophy, political economy, and history.

In the 1880's the study of political science was stimulated by the establishment of schools of political science. The outstanding development was at Columbia in 1880 through the influence of John W. Burgess, followed by recognition in such institutions as Michigan, Cornell, and Pennsylvania. Through greater emphasis on governmental subjects, course limits were defined and content enlarged and enriched.

Political treatises became available in increasing numbers, for example, those by Theodore D. Woolsey (1878), J. K. Bluntschli (1885), James Bryce (1888), Woodrow Wilson (1889), John W. Burgess (1890-91), and W. W. Willoughby (1896). In classroom instruction before 1900 Edmund James at Pennsylvania and Frank J. Goodnow at Columbia stressed administration; Albert Bushnell Hart, S. M. Macvane, and Freeman Snow at Harvard developed various aspects of political science; Charles K. Adams at Michigan and Cornell stimulated constitutional study; Herbert B. Adams at Johns Hopkins initiated investigations into political institutions of local government; and Woodrow Wilson at Princeton fostered jurisprudence and constitutional government.

By 1900 the subject matter of political science in the leading colleges was being studied from various vantage points—constitutional government, theory of the state, international law, and, to a limited extent, administration. Events involving agrarian and industrial unrest and urbanization of living aroused an interest in the life of the state apart from considerations of its form or legal basis. The result was a lessening of the dominance of constitutional analysis in political instruction and

the gradual introduction of work in practical government. Victory in the war with Spain (1898) made the United States an imperialistic power. An immediate effect was the addition to the curriculum of courses in colonial administration and Asiatic governments and increased attention to diplomacy and international law. Since 1900 the expansion of political-science subject matter has been stimulated by the fact that government itself has assumed new functions and grown more complex.

Courses in American government—national, State, and local—were strengthened through the publication of good textbooks. To the nineties instruction in American government was instruction in the Constitution. By 1916 textbooks in frequent use included those by Albert Bushnell Hart (1903), Charles A. Beard (1910), R. L. Ashley (1911), and J. T. Young (1915). In municipal government there were volumes by William Bennett Munro (1912) and Charles A. Beard (1912), and in State government by Arthur N. Holcombe (1915). In general political science, textbooks in use included those by Stephen Leacock (1906), J. Q. Dealey (1909), Raymond G. Gettell (1910), and J. W. Garner (1910). W. A. Dunning's compilations of political theories were popular. Discussions by F. A. Ogg and A. Lawrence Lowell dealt with comparative government. International-law treatises in use as textbooks included those by George B. Davis, Edward M. Gallaudet, William E. Hall, Amos S. Hershey, T. J. Lawrence, and G. G. Wilson and G. F. Tucker.

Formal recognition that political science was an independent branch of learning came through the establishment of the American Political Science Association in 1903. A survey of status reported to the association in 1916 showed that political science had achieved academic recognition.

No one person or institution can be credited with stimulating the entire development of political science as a subject of study. Outstanding achievements by individual instructors or institutions were followed frequently by periods of stagnation. As a general thing broadening of the program in political science occurred earliest in the larger and wealthier colleges and universities.

The elements of political science have, therefore, been taught throughout the history of higher education in the United States, although greatly varied in amount and quality, direction and emphasis, at different periods of time and in individual institutions.

#### BIBLIOGRAPHICAL NOTE

This study of trends in the teaching of political science in colleges and universities of the United States from 1636 to 1916 is based upon a survey and analysis of the following materials:

1. Printed lectures and textbooks in moral philosophy, which revealed

the extent of political-science content as a distinct phase of the philosophical course.

2. Subjects for disputation in the colonial and Revolutionary periods, whose topics indicate a deep interest in political theory and also in current public questions.

3. Lectures in law, which at first were a recognition of a need to train citizens in their civic duties.

4. Textbooks used in political-economy courses, which contributed to a knowledge of political science through their emphasis on governmental activities.

5. Treatises in political philosophy, international law, the Constitution, and governmental practice and administration, which were used as college textbooks.

6. Courses of study in eighteen colleges and universities, supplemented by college statutes, institutional histories, and special reports.



## THE SULFUR OF INSULIN

by GAIL LORENZ MILLER \*

The study of a hormone is especially interesting because of the question of the relationship between the chemical structure and the physiological activity of such a compound. By making chemical alterations in the various groupings contained in the hormone molecules, it may be determined which groupings affect the relative potency of the compound and which are responsible for the specificity of its physiological properties. In the protein insulin molecule, the disulfide linkage is unquestionably one of the most vulnerable parts. For example, when this linkage is cleaved from the molecule by the action of alkali, or when it is altered by reduction or oxidation, the insulin derivative which results is rendered physiologically inactive. The relationships between the sulfur and the potency of insulin have therefore prompted considerable research on this aspect of the chemistry of the hormone. It becomes necessary to know the nature of the sulfur-containing moieties which are responsible for this labile grouping. The final identification of these sulfur compounds has been the purpose of the researches reported in this thesis. The investigation has also been of importance because of the value of the data as a contribution to the general knowledge of the chemistry and the structure of insulin.

At the time the present work was begun, the status of the problem concerning the nature of the sulfur compounds in insulin was as follows: Approximately three fourths of the sulfur of insulin was accounted for as cystine. Methionine and thiolhistidine appeared to be absent. The possibilities remained that the unknown sulfur of insulin occurred as a difficultly hydrolyzable cystine peptide or as a sulfur-containing compound other than cystine, methionine, or thiolhistidine. In the original work which is presented below, the hypothesis of the presence of a difficultly hydrolyzable cystine peptide was submitted to experimental investigation. Because of very recent reports from other laboratories of the presence of small amounts of methionine in insulin, a reinvestigation was also made in that direction.

In connection with the preparation of large amounts of crystalline insulin for the experimental work, the available methods have been modified and improved. In addition, a practical method has been worked out for the synthesis of the tripeptide, glutathione, in order that the validity of some of the observations which were made during the hydrolysis experiments with insulin might be tested by an extension of the work to synthetic cystine peptides.

\*A.B. 1933, A.M. 1934, University of Illinois; Ph.D. conferred June 9, 1937.

### A REINVESTIGATION OF THE CYSTINE CONTENT OF INSULIN

An enzymatic attack was first made in order to see whether enzymes might be able to split certain linkages and thus render the insulin molecule more susceptible to subsequent acid hydrolysis. In separate experiments, purified amorphous insulin was subjected to the action of crystalline pepsin and commercial pancreatin, and was then hydrolyzed with 20 per cent HCl for eight hours at 125°. However, no higher cystine content was found in these experiments than in the controls which had been hydrolyzed directly with the acid without previous digestion with enzymes. This approach was therefore abandoned and other methods of hydrolysis were sought.

When the method of hydrolysis of Gurin and Clarke in which 50 per cent formic acid containing 2 equivalents of HCl per equivalent of nitrogen present in the sample to be hydrolyzed was employed, incomplete hydrolysis was obtained even when the time of hydrolysis was extended to forty-eight hours. The amount of HCl in the formic acid hydrolyzing agent was then increased to 20 per cent and samples of amorphous insulin were treated with this mixture. Preliminary work showed that the cystine values obtained by the specific Sullivan method when insulin was heated with 20 per cent HCl in 50 per cent formic acid were consistently higher than those obtained when 20 per cent HCl alone was used. When the time of hydrolysis was extended to forty-eight hours a still higher cystine content was obtained. Moreover, when the experiments were extended to crystalline insulin, it was found that the cystine value of a sample hydrolyzed with the HCl-HCO<sub>2</sub>H mixture for forty-eight hours agreed within the experimental error of the method with the theoretical cystine content based on the per cent of sulfur in the preparation. No higher cystine value was obtained when the time of hydrolysis was extended to ninety-six hours. Simultaneously with the Sullivan determinations, analyses for cystine were made by the Folin-Marenzi method. As the time of hydrolysis was lengthened, the Folin-Marenzi cystine values at first rose much more rapidly than the corresponding Sullivan values but subsequently decreased until the values were practically identical with those given by the Sullivan method. This was explained by the fact that the Folin-Marenzi method responds to disulfide linkages in general whereas the Sullivan method is specific for cystine alone, and the final agreement of the results obtained by the two methods indicated that complete breakdown of the cystine linkages had been obtained.

In order to show whether the agreement between the sulfur of the insulin and the cystine content was fortuitous or whether the HCl-HCO<sub>2</sub>H method of hydrolysis could be relied upon to give the true cystine content, mixtures of amino acids constituting a synthetic insulin hydrolysate were



refluxed for varying periods of time with the  $\text{HCl-HCO}_2\text{H}$  mixture and also with 20 per cent  $\text{HCl}$  alone. It was found that when this amino acid mixture was refluxed with the  $\text{HCl}$  alone, a gradual decrease in the cystine content occurred, whereas with the  $\text{HCl-HCO}_2\text{H}$  hydrolyzing agent, practically no change took place in forty-eight hours. It was concluded therefore, that the cystine could be accurately determined by the Sullivan method after the mixture had been refluxed with the  $\text{HCl-HCO}_2\text{H}$  reagent and also that the formic acid prevented the destruction of the cystine.

It was conceivable that the formic acid might reduce the cystine to cysteine and in this way produce augmented colorimetric values and mask an actual destruction. However, the hydrolysates prepared with the  $\text{HCl-HCO}_2\text{H}$  mixture gave no color with the sodium nitroprusside reagent, nor was any reducing substance detectable when the Okuda titration method was applied.

A further point which required consideration had to do with the question of whether the data could be interpreted to exclude the presence in insulin of sulfur-containing compounds other than cystine. In the Sullivan method, duplicate determinations could not be relied upon to agree within less than 3 per cent of one another. In other words, the cystine content of crystalline insulin containing  $3.34 \pm 0.03$  per cent of sulfur on a moisture-free, ash-free basis, was found to be  $12.5 \pm 0.4$  per cent. From these data may be reached only the conclusion that not more than traces of other sulfur compounds can be present.

The new method of hydrolysis was extended to peptide structures other than insulin, and the results obtained in these experiments were in general similar to those obtained with the insulin. Phaseolin, crystalline serum albumin, crystalline pepsin, and oxidized glutathione were used in these studies. The presence in some of the hydrolysates of substances which interfered with the colorimetric measurements was detected. In the case of the pepsin hydrolysates, substances other than cystine were present which gave with the Sullivan reagents a strong development of color which was not discharged readily by the  $\text{Na}_2\text{S}_2\text{O}_4$  added at the end of the determination. In the hydrolysates of the oxidized glutathione, glycine appeared to be the chief factor responsible for the augmented colorimetric readings observed. The lack of such interfering substances was demonstrated in the insulin hydrolysates, so that the conclusions already reached with regard to the representation of the sulfur of insulin as cystine were not affected.

#### STUDIES ON THE PRESENCE OR ABSENCE OF METHIONINE IN INSULIN

The Baernstein method for the determination of methionine provides two alternative procedures for the analyses. One may either measure the volatile methyl iodide liberated or the homocysteine lactone formed



when the amino acid is heated with HI. Because of the possibility that volatile iodide might originate from other sources in a labile protein molecule than methionine, the latter procedure becomes much more specific for the determination of this amino acid in proteins. In spite of this fact, the recent value of 0.7 per cent methionine in insulin reported by Kassell and Brand is dependent on the titration of the volatile iodide. The utilization of the method of analyzing for the homocysteine in the digestion mixture of the insulin possessed the disadvantage that, because the method is less sensitive than the volatile iodide measurement and because the actual amount of methionine in insulin appeared to be so small, large amounts of insulin entailing considerable expense would be required for the determination.

Because of the importance of knowing the true methionine content of insulin, we have carried out analyses by the Baernstein procedure on amounts of crystalline insulin of such magnitude that results which might be obtained could be considered conclusive. A figure of 0.7 per cent methionine as measured by the volatile iodide was obtained in agreement with the report of Kassell and Brand. However, when the tests for homocysteine lactone in the digestion mixtures were applied, negative results were obtained in every experiment carried out. The experiments were carefully controlled. Blank determinations and also recovery experiments with equivalent amounts of methionine (as calculated from the volatile iodide measurement) were made. It was further found that methionine could be recovered either as the methyl iodide or as the homocysteine lactone when it was added to a sample of insulin and was then digested with the HI. This showed that the determination of the amino acid was not affected by the HI hydrolysis products of the insulin. The analyses of the crystalline insulin were repeated with a modification of the Baernstein procedure kindly submitted to us by Kassell and Brand, and negative results again were obtained for the methionine as indicated by the titration of the digestion mixture for homocysteine lactone.

The question next arose as to the nature of the volatilized iodide which was liberated by the insulin on digestion with the HI. Further investigations have revealed that a large portion of the substance responsible for the volatile iodide formation was actually liberated when the protein insulin was heated with 20 per cent HCl. Moreover, it was found by qualitative tests that only a part of the total volatile iodide could possibly be characterized as methyl iodide, and the presence of any methyl iodide whatsoever has been questioned. The actual nature of this substance, however, has not yet been determined.

The negative tests for the homocysteine lactone and the anomalous behavior of the volatile iodide liberated by the insulin have led inevitably to the conclusion that no methionine is present in insulin.

### THE CHEMICAL STRUCTURE OF INSULIN

With the accurate figures now available on the cystine content of insulin, it was felt that it would be of considerable interest to utilize these data along with those reported by other investigators in a calculation of the number of molecules of each of the various amino acids in insulin and also the ratios between the numbers of molecules. The most striking feature of the data was that the amino acids appeared to occur in multiples of six. This was pointed out to be of particular interest in the light of the theoretical work of Wrinch on the hexagon pattern of amino acids in proteins. A symmetrical distribution of the amino acids was strongly indicated.

### THE PREPARATION OF CRYSTALLINE INSULIN

For the preparation of crystalline insulin from amorphous starting material, procedures based on the Scott phosphate buffer-zinc ion method have been developed whereby yields of 80 per cent or more were obtained. The improved yields were made possible through the observation that increased amounts of the crystalline insulin were deposited from solution either when the time allowed for crystallization was extended to several months or when the mother liquors from the first crop of crystals were adjusted to a slightly more acid pH. The product which was obtained by either of these procedures was recrystallized from acetic acid, pyridine, and ammonia by the method of du Vigneaud, Jensen, and Wintersteiner, and a final recovery of 85 per cent of the unitage of the original sample of amorphous starting material was obtained. The final crystalline compound was characterized by its homogeneity and its low ash content. In connection with the studies on the preparation of crystalline insulin, observations have been made on the hygroscopic characteristics of the crystallized hormone and methods have been described for obtaining the true moisture content of this material.

### THE SYNTHESIS OF GLUTATHIONE

A new method of synthesis has been presented for the preparation of the tripeptide, glutathione. S-Benzylcysteinylglycine methyl ester was condensed with  $\alpha$ -methyl-N-carbobenzoxyglutamyl chloride. The condensation product was saponified, and the N-carbobenzoxy- $\gamma$ -glutamyl-S-benzylcysteinylglycine obtained in this way was reduced with sodium in liquid ammonia to yield glutathione. The tripeptide was isolated from the reaction mixture by way of its mercury and copper salts and finally as the free crystalline compound. The yields in the various steps were high, and the procedures were conveniently carried out so that the synthesis as a whole may be utilized as a practical method for obtaining this physiologically important compound.

## BRAZIL'S RECENT FOREIGN ECONOMIC POLICY

by GEORGE WYTHE \*

The primary purpose of this monograph is to examine the interrelationships between the Brazilian national economic structure and that country's recent foreign economic policies, with special reference to the changes since 1930. A secondary aim is to clarify the significance of the methods, or technique, used in carrying out those policies.

The first chapter is devoted to an analysis of the Brazilian economy, which is still predominantly of the "simple" type, as is shown by the fact that all but a negligible proportion of the exports consist of agricultural, pastoral, and forest products, in either a raw or a simply processed state. Another salient characteristic has been the outstanding importance of one product, coffee, which accounted for 72.21 per cent of Brazil's total exports during the decade 1924-33. The Brazilian authorities have long been concerned with what they considered to be excessive dependence upon a single product, and they have endeavored to diversify production by encouraging manufacturing and the cultivation of new crops. Within recent years these efforts, aided by fortuitous circumstances and the policies of other nations, have made sufficient headway to influence considerably the composition and direction of Brazil's foreign trade, and to bring about a shift of emphasis in foreign economic policy. The working out of these influences is traced in subsequent chapters, first in connection with factor movements (persons and capital, singly or in industrial combination), and then as regards the course of commodity movements, whether affected unilaterally by tariffs, exchange control, and quantitative restrictions, or bilaterally through treaties, trade agreements, and clearing or "compensation" arrangements.

The influx of free labor and foreign capital, of technical skill and managing ability, began to assume importance during the second half of the nineteenth century, concomitantly with the rise of coffee as the dominant money crop. This inflow, in waves of varying intensity up to the present time, has been of great importance in the development of the Brazilian economy and in determining the character and direction of Brazil's foreign trade. The changing economic structure has, in turn, reacted on the nature and extent of factor imports. Factor movements and policies regarding them are, therefore, of fundamental importance in a study of Brazilian foreign economic relations.

The years 1930-34 are taken as marking a turning point in the economic life of Brazil. The revolution of October 1930 broke the order of Presidential succession controlled by the great coffee-producing states.

\*A.B. 1914. University of Texas; Ph.D. conferred February 22, 1938.



The emergency measures adopted during the depression years accelerated the trend toward greater concentration of authority in the Chief Executive, and in the direction of more governmental intervention in economic activities—a world-wide trend which is here designated as the New Nationalism. The philosophy of the Vargas regime found expression in the new constitution of 1934, which justified the need of state intervention to organize "the economic order . . . in accordance with the principles of justice", and empowered the Federal Government to "monopolize any specific industry or economic activity". In the practical working out of this doctrine, the chief developments up to the end of 1936 had been in connection with extractive industry, the principal branches of which were being organized into so-called "institutes", which bear a striking resemblance to Fascist corporations but which can trace their lineage to established Brazilian procedure in connection with coffee defense.

The organization of production along the lines inspired by the New Nationalism impinges at various points upon international economic processes, and thus involves closer regulation of international flows of goods, capital, and persons. In addition to the traditional devices of tariffs, commercial treaties, and administrative regulations, various new instruments have been elaborated, of which exchange control and quantitative restrictions are particularly significant.

From its inception the Brazilian Republic has been committed to a protective-tariff policy, and has also assisted industry by subsidies, loans, and other facilities. The revolution of 1930 brought no essential change in that regard, but there has been more emphasis upon the encouragement of industries using native raw materials. The Vargas regime has stressed the need for national political and economic unity, and has enlarged the sphere of governmental control over production, distribution, and prices. Since 1930 there has been a sharp break with the past as regards policies affecting immigration and foreign industrial investments. Instead of spending large sums of money to encourage immigration, the Government has imposed a quota on immigrants by nationalities similar to the arrangement in force in the United States. The exercise of the liberal professions has been reserved to native-born Brazilians, and the employment of foreign technicians has been restricted. Concessionary companies are required to train Brazilian workers in order to enable them to replace foreign specialists, who are tolerated for the time being. Likewise, the constitution of 1934 and subsequent enactments not only impose a number of restraints upon the expansion of foreign economic activities, but also threaten to eliminate a considerable proportion of the foreign investments already consummated.

A review of Brazil's commercial treaties and trade agreements shows that a policy of equal treatment to all countries has been preferred, the

principal exceptions being the preferential rates accorded, first, to Great Britain during the last years of the colonial era and the first years of independence, and, secondly, to the United States during the periods 1891-94 and 1904-22. In both instances the preferences were accorded as the result of diplomatic pressure from the country which, at the time, occupied a predominant position in Brazil's export trade. During the early period, Great Britain was preeminent in Brazilian trade, shipping, and finance. It continued down to the World War to be the principal supplier of Brazilian imports, but gradually lost ground as a purchaser of Brazilian produce, particularly after coffee became the leading export product. Meanwhile, the United States rapidly became more important as an outlet for Brazilian foodstuffs and raw materials, and since 1873 has regularly held first place among the countries of destination of Brazilian exports. The importance of the United States' market in Brazil was enhanced by the fact that it has been the only important commercial country which has consistently for many years admitted coffee duty-free.

For a half-century preceding 1930, Brazilian commercial policy was primarily coffee policy, the main objectives being to keep open world markets for Brazilian coffee and to obtain, wherever possible, reductions in the high continental duties on coffee. Policy since 1930 reflects the increasing complexity of the country's economic structure and the growing tendency toward state interventionism. While not neglecting coffee, policy-making officials show concern to foster greater diversification of exports, and to open up new export markets. A certain duality of policy has been made possible by the use of exchange control and "compensation" to achieve results which appear to some observers to be at variance with the traditional interpretation of the unconditional most-favored-nation treatment which Brazil pledged to most of the leading commercial nations. The divergence appears most clearly in the agreements reached with the United States, on the one hand, and with Germany, on the other hand. A trade agreement with the United States was signed at Washington on February 2, 1935, and put into effect January 1, 1936. It provided for mutual duty-reductions and "bindings" of rates on products of special interest to the signatory countries. The Brazilian Government denounced most of its agreements with other countries and negotiated a series of new agreements with all important commercial nations; as these accords provided for unconditional most-favored-nation treatment, the tariff concessions granted to the United States were automatically generalized.

So far as tariff policy is concerned, then, Brazil has maintained the nondiscriminatory policy adopted in 1923 when the preferences to the United States were discontinued. But since the adoption of exchange control in September 1931 there have been various "barter" transactions



and "compensation" arrangements which have had the effect of favoring certain countries and certain types of goods over others.

Brazil has not taken the initiative in proposing trade-balancing arrangements, but since the end of 1934 officials have shown a disposition to adapt Brazilian policy to the exigencies of European countries trading on a "compensation" basis. Early in 1935, following the inauguration of the "New Plan" in Germany, compensation trading with Germany was regularized by the creation of the "Reichsmark Special Accounts Brazil". In 1934 and 1935, Germany was badly in need of raw cotton, and offered a price for South American cotton sufficiently high to attract it away from Liverpool, the usual market. Beginning in the autumn of 1934, Brazil's cotton exports to Germany increased tenfold in comparison with the preceding season; and the large sales to Germany were soon followed by a rising tide of imports from Germany. Germany's share of the trade was further augmented by the action of the Brazilian authorities in directing purchases by Government departments and state enterprises to German firms. Some of the German goods competed sharply with American products, and in 1936 Germany displaced the United States as the leading supplier of the Brazilian market. Brazil concluded a *modus vivendi* with Germany on June 8, 1936, providing simply for mutual most-favored-nation treatment; but a few days previously the two Governments had agreed upon the quotas to be permitted during the following year on a compensation basis. In reply to protests from American exporters and to representations from the American Government, the Brazilian authorities stated that the arrangement with Germany was designed merely to preserve the *status quo* with Germany and that the importation of German products would be controlled so as to prevent injury to the legitimate interests of other countries.

The circumstances involved in Brazil's relations with the United States and Germany have been examined at some length for the light they throw on the dilemma which confronts all trading nations: how can the doctrine of most-favored-nation treatment which was evolved during an era of *laissez faire* be reconciled with the practices of the New Nationalism? Brazil's experience does not provide a clear-cut answer to the problem, but it indicates a trend toward greater attention to the international balance of payments, not only as a whole, but also as regards the accounts with particular countries. In addition to the "compensation" arrangements with Germany, Italy, and Chile, which operate through the mechanism of exchange control, Brazil has accepted the principle of "compensations" in its trade balance with Great Britain and Japan, to be effected through purchases of capital goods and materials for national defense.

Present trends also indicate the likelihood of the continuance of a large measure of governmental regulation over all international eco-



conomic processes. The Vargas "institutes" and "syndicates", or similar organizations, may be expected to play an important part in regulating commodity trade. The tendency appears to be to organize all the principal branches of production, and to extend the sphere of action of the institutes to embrace control over production, trade, and prices. An additional incentive to control will probably be found in the necessity of conforming to the selective import policies of other nations, not only in connection with compensating-trade pacts, but also in the circumstances envisaged by the Anglo-Brazilian agreement of August 10, 1936, in which the British Government expressed the hope that it would "shortly be found possible to replace the regulation of imports of beef by the control of supplies by producing countries operating in an international meat conference".

There are no indications that Federal regulation of factor movements will be abandoned. Despite complaints of labor shortage both in agriculture and in industry, the Vargas administration has adhered to the restrictive immigration policy. As regards capital movements, the rationing of exchange in connection with commercial requirements has been discontinued, but the Bank of Brazil has retained broad powers of intervention in the market and of control over exchange transactions, which may be invoked in an emergency.

## RADIO-LISTENING ACTIVITIES OF CHILDREN IN WASHINGTON, D. C., AND FAIRFAX COUNTY, VIRGINIA

by WESTON ROBINSON CLARK \*

During the past fifteen years, radio has experienced a phenomenal growth of great psychological and social importance. It is reliably estimated that there were 33,000,000 radios in use in the United States as of January 1, 1937; that 78,000,000 persons are habitual listeners; that the American public is spending in one way or another about \$7,000,000 a year for its radio entertainment. Radio reaches into a greater proportion of homes than the newspaper, the motion picture, the church, or the school. Its influence on the child during his average listening time of more than fifteen hours weekly is enhanced by its capacity for gripping the listener with its appeal.

This investigation deals with the relation of age, sex, rural and urban life, intelligence scores, "problem" and "non-problem" status, and school grades to the radio-listening habits, interests, and reactions of white children in Washington, D. C., and Fairfax County, Virginia. Another feature of the study was to ascertain the reactions of parents to the radio-listening activities of their children.

Responses to a comprehensive questionnaire were obtained from 505 children, representative of the white public-school population of the ages nine to eighteen in Washington, D. C., the rural children in Fairfax County, Virginia, and the boys of the National Training School for Boys. The responses were made in the usual classroom situation with enrollments ranging in size from fifteen to forty and under the direction of the investigator and the class teacher. Questions requiring recall of names of specific programs referred only to "last week's" listening. The questionnaires were all distributed during the first three school days of the week April 12 to 16, 1937. Programs which were broadcast during the week preceding the gathering of the questionnaire data, or "last week", by the four Washington stations were analyzed with the aid of the program directors and classified into twelve types. The reactions of the parents to the listening activities of their children were obtained by a parents' questionnaire, which was sent to and returned from the parent by the child. The school grades and intelligence scores of the children were obtained from the records in each school. Data from these four sources—the students' questionnaire, the broadcasting stations, the parents' questionnaire, and the school records—form the basis for the conclusions reached in this study.

\* B.S. 1913, University of Utah; A.M. 1934, The George Washington University; Ph.D. conferred June 8, 1938.

From the data obtained, the following conclusions may be drawn which pertain to children in Washington, D. C., and the adjacent county of Fairfax, Virginia. The summarizations with regard to the child's radio behavior are based on what parents and children reported. The primary purpose is to show differences among the children in each group studied.

#### A. Amount of Time Children Listen

1. Children with I. Q.'s below 70 and above 130 do the least radio listening.
2. The average weekly listening time for all of the children is fifteen hours and thirty-nine minutes; boys and girls listen approximately the same; rural children listen more than urban children (eighteen hours, thirty minutes and twelve hours, forty-eight minutes); "problem" children listen more than "non-problem" children (fifteen hours and twelve hours, forty-eight minutes).
3. Children fifteen to eighteen years of age report less listening than those twelve to fifteen and more than those nine to twelve. While the average weekly listening for the children of the three age groups (children from the nine regular public schools in Washington, D.C.) is twelve hours and forty-eight minutes, those twelve to fifteen listen most, seventeen hours and thirty-six minutes, and those nine to twelve listen least, nine hours and twenty-four minutes.

#### B. Days and Hours Children Prefer to Listen

1. Evening hours during weekdays (Monday to Friday) are the most frequently mentioned choices of broadcasting times. The rural children express greater preference than the urban children for the period 7 P.M. to 12 midnight, week ends (Saturday and Sunday). "Problem" children have a greater preference than "non-problem" children for week ends 7 P.M. to 12 midnight.
2. Girls have greater preference than boys for the period 12 noon to 7 P.M. Children nine to twelve have a stronger preference for 12 noon to 7 P.M. than the other children.

#### C. Radio-Station Offerings

1. Comedy and variety are allotted more than double the amount of time of any of the other eleven types of programs. Classical and semiclassical music and dance, popular, and novelty types rank second and third. Program types which receive a comparatively small proportion of time are travel and adventure, detective, crime and mystery, and religious programs.



**D. Habits and Preferences in Radio Listening**

1. Detective, crime, and mystery programs are more interesting and comedy and variety programs are less interesting to children twelve to fifteen years of age than to older or younger children.
2. Girls fifteen to eighteen listen more to romantic and historical dramatizations than do boys of the same age. Before this age, the sex differences are negligible. Boys fifteen to eighteen listen more than girls to dance, popular, and novelty programs. While classical and semiclassical music is reported infrequently, girls come to appreciate, or at least listen to, this type of program earlier than boys.
3. Of the things about programs which make them favorites with children, excitement and humor content are more important to children younger than fifteen and music content to those older than fifteen.
4. Adventure is a much stronger interest factor with girls than it is with boys nine to twelve and fifteen to eighteen years of age.
5. Humor is much more important to boys nine to twelve and fifteen to eighteen than to girls of the same ages.
6. Music has a comparable value in making programs interesting to boys and to girls nine to twelve and fifteen to eighteen. Wide differences occur with boys and girls twelve to fifteen in that the girls place a much higher value on the interest factor of music.
7. Humor content increases in value in making programs interesting to children with increase in intelligence for children above 70 I. Q. No reliable differences obtain for those below 70. Excitement and adventure count more strongly for the children of "normal" intelligence (I. Q. 90 to 110) than for those with intelligence scores above 130.
8. Music contributes more to making programs interesting for "problem" children and humor contributes more to the interest of "non-problem" children.
9. Humor content is a more important interest factor in programs for urban than for rural children. Educational content is more important to rural children.
10. Dull children (I. Q. 70 to 89) have greater dislike for comedy and variety programs than the "normal" children (I. Q. 90 to 110).
11. "Problem" children listen more to and like better than "non-problem" children detective, crime, and mystery programs and listen more to sports programs. "Non-problem" children listen more

- to dance, popular, and novelty programs, general historical and romantic drama, and listen more and like better children's programs.
12. Children with intelligence scores less than 70 report less listening to drama and children's programs and more listening to and more interest in comedy and variety programs.
  13. Dull children (I. Q. 70 to 89) listen more than the "normal" or bright to dance, popular, and novelty programs.
  14. On the whole, greater differences were found between the reports of children nine to twelve and twelve to fifteen years of age than between children twelve to fifteen and fifteen to eighteen years of age concerning their radio habits, preferences, and dislikes.
  15. With advance in age, there are reported less listening to and greater dislike for children's programs; an increase in interest for dance, popular, and novelty programs; a stronger dislike for general, historical, and romantic drama; a decrease in the dislike for classical and semiclassical music and religious programs.
  16. Children with an average school grade of *A* listen less than those with a grade of *C* to historical and romantic drama programs and more to comedy and variety programs. There is a strong positive tendency for grade-*A* group to be set apart from all four of the other grade groups.

#### E. Influence of Programs on Children's Behavior

1. Sleeplessness attributed to radio programs is more common with children younger than twelve than with older children.
2. Children younger than twelve dream at night more than older children about the things they hear on the radio.
3. Girls nine to twelve dream more than the boys about things heard over the radio. At ages twelve to fifteen no differences appear, but at ages fifteen to eighteen, the girls dream far less than the boys.
4. Bright children (110 to 129 I.Q.) dream more about radio programs than the feeble-minded (I.Q. below 70), the very bright (I.Q. over 130), or the normal-intelligence children (I.Q. 90 to 109).
5. Rural children are more inclined to disturbance through dreams and sleeplessness by things heard over the radio than are urban children. The types of programs which cause sleeplessness in rural children to a greater extent than in urban children are children's programs and general, historical, and romantic drama.
6. Detective, crime, and mystery programs cause sleeplessness with a greater percentage of urban children and general, historical, and

romantic drama programs cause sleeplessness with a greater percentage of rural children.

7. The sleeplessness of all the children is affected most by detective, crime, and mystery programs. However, children of twelve to fifteen and fifteen to eighteen are influenced more than those nine to twelve by romantic and historical dramatizations; children nine to twelve and fifteen to eighteen are influenced more than those twelve to fifteen by dance and novelty programs.
8. Detective, crime, and mystery programs affect sleeplessness in a larger percentage of boys than girls.
9. Children with intelligence scores 90 to 129 are kept awake at night by radio programs more than those with intelligence scores below 90 and above 130.
10. Sleeplessness is more common to *B*- than to *C*-school-grade children because of memories of detective, crime, and mystery programs and dance, popular, and novelty programs.
11. Dull children are helped less than children with normal intelligence by radio programs.
12. Children younger than twelve years have been helped in various ways by radio programs more than those older than twelve. Children's programs are most helpful to children nine to twelve; general, historical, and romantic-drama programs to those twelve to fifteen, and news programs to children fifteen to eighteen.
13. Girls have been helped more than boys by children's programs and by classical and semiclassical music. Boys have been helped more by sports programs and by detective, crime, and mystery programs.
14. Of the types of programs rural and urban children state are helpful to them, news and adult programs are more helpful to rural children and children's programs are more helpful to urban children.
15. "Non-problem" children are helped more than "problem" children by radio programs. However, "problem" children are helped more by adult programs.
16. Boys more than girls are influenced by radio programs to do things which they think they should not have done.
17. There are more age differences in the interests of children in radio programs and in the effect programs have on their behavior than there are in the listening habits of children.

#### F. Parental Direction of Children's Radio Listening

1. Detective, crime, and mystery programs are the programs most frequently objected to by parents, according to the statements of children.



2. Girls are encouraged more than boys during the ages nine to twelve to listen to parent-preferred programs. Children younger than fifteen are more obedient to these requests of their parents than are older children.
3. Boys are less obedient to the radio-listening requests of their parents than the girls, especially between the ages fifteen to eighteen. Boys are more progressively disobedient with increasing age.
4. Rural children are more obedient than urban children to the radio-listening requests of their parents.
5. Children with intelligence scores above 130 are less obedient to the radio-listening requests of parents than those with intelligence scores 70 to 130.
6. *B* students are more obedient to parents' listening requests than *C* students.
7. "Problem" children are less obedient than "non-problem" children to the radio-listening requests of parents.
8. Urban children have been told more by parents not to listen to programs of the detective, crime, and mystery type, while rural children have been told more not to listen to children's programs.
9. Urban children report more often than rural children that their parents have encouraged listening to classical and semiclassical music; rural children rank higher in their reports of parents' approval of comedy and variety and children's and adult programs.
10. Parents are reported to give children with intelligence scores above 130 more encouragement than those with scores 90 to 130 to listen to adult programs.
11. Children with normal intelligence are encouraged more than bright children to listen to general, historical, and romantic programs.
12. "Non-problem" children are urged more by their parents to listen to classical and semiclassical music.

#### G. Parents' Attitudes to their Children's Listening

1. The use of slang, the features of excitement and excessive emotionality, make programs most objectionable to parents.
2. There is a close similarity between the reports of children and those of parents regarding the amount of time children spend listening to the radio.
3. The types of programs most frequently approved by both rural and urban parents are general, historical, and romantic drama; comedy and variety; dance, popular, and novelty; and classical and semiclassical music programs.

4. The relationship between children's reports and parents' reports of programs parents encourage their children to listen to is shown by a correlation of .70.
5. The chief benefits children derive from the radio are considered to be aids to school work, by rural parents, and development of the finer things of life, by urban parents.
6. Programs considered most undesirable by parents are those concerned with gangsterism, crime and mystery stories, followed by sentimental love stories. The correlation of coefficient between the children's and parents' reports in this regard is .92.
7. Of the children's activities most interfered with by radio listening, urban parents consider home work first and rural parents consider general work duties.

#### H. Choice between Radio-Listening and Other Activities

1. Three hundred and fifty urban children responded to the question, "Do you as a rule do anything else while you listen to radio programs?" Sixty-six and a third per cent of these children report they do other things while listening.
2. Children younger than twelve and older than fifteen divide their attention more than children twelve to fifteen.
3. These apparent age differences are accountable to sex differences, for the proportion of the boys' responses is almost identical for all ages.
4. The preference of going to the movies to radio listening and of radio listening to reading the "funnies" is greater for children of fifteen to eighteen than for those nine to fifteen. Although no age differences in the extent to which other activities are engaged in during radio listening obtain for the boys, girls fifteen to eighteen engage in other activities more than girls nine to fifteen.
5. *D* students have a greater preference than *C* students for going to the movies over radio listening and a greater preference than *B* students for radio listening over reading an adventure story.

## A STUDY OF THE SPECIFICITY OF THE CHEMICAL STRUCTURE OF *l*-CARNOSINE IN RELATION TO ITS DEPRESSOR ACTIVITY

by MADISON HUNT\*

In spite of the fact that carnosine,  $\beta$ -alanyl-*l*-histidine, occurs in muscle tissue to the greatest extent of the non-protein nitrogenous constituents with the exception of creatine, very little is known of its chemistry and practically nothing of its physiological significance. The isolation of  $\beta$ -alanine from liver extracts and the demonstration of its being a growth essential for the diphtheria organism and for yeast have made the study of this  $\beta$ -amino acid and its histidine peptide more significant.

The relationship of the structure of *l*-carnosine to its blood-pressure-lowering action seemed to be a point of attack on the carnosine problem worthy of investigation. The finding that the structural requirements for this activity are quite specific leads us to suspect that the depressor action is not an incidental pharmacological phenomenon but may have some true significance in the evaluation of its real physiological role.

In the course of this work, the remarkable specificity in the depressor action of carnosine with respect to its spatial configuration was reported. *d*-Carnosine in twenty times the effective dose of *l*-carnosine showed no depressor action.

Interest was, therefore, further aroused in the general question of the specificity of the structure of carnosine and its depressor activity. Although considerable work has been done on pressor substances, rather little has been done from this standpoint with depressor compounds.

As the first step in the initiation of such a program the preparation of  $\alpha$ -alanyl-*l*-histidine was undertaken in order to ascertain whether the position of the amino group in the alanyl radical was essential to the depressor activity. Since  $\alpha$ -alanine in contrast to the  $\beta$ -alanine has an asymmetric carbon, both the *d*-alanyl-*l*-histidine and the *l*-alanyl-*l*-histidine were prepared.

Accordingly, *dl*- $\alpha$ -alanine was resolved through the brucine salt of the toluenesulfonyl derivative and both *d*- and *l*- $\alpha$ -alanine were prepared. The resulting optical isomers were converted to the carbobenzoxy derivatives and condensed with the methyl ester of histidine through the acid chloride. Saponification and reduction yielded the two isomeric peptides in crystalline form.

The two diastereoisomeric peptides were then tested for depressor

\* A.B. 1934, M.S. 1935, University of Illinois; Ph.D. conferred June 8, 1938.



activity, and, strangely enough, neither one of them exerted any effect on the blood pressure, demonstrating an amazing specificity.

The next question that arose was whether this finding with the  $\alpha$ -alanine peptides signified the importance of the  $\beta$  position, or whether the real significance was the presence of a terminal group on the acyl radical. Glycyl-*l*-histidine and  $\gamma$ -amino-*n*-butyryl-*l*-histidine, the next lower and higher homologues of carnosine, respectively, were next prepared. This would, furthermore, afford the opportunity of testing the importance of the three-carbon chain in the  $\beta$ -alanylhistidine.

The glycyl-*l*-histidine was synthesized in a manner similar to that used for preparing the  $\alpha$ -alanylhistidines. The compound possessed no depressor action even when given in 200 mg. doses.

The preparation of  $\gamma$ -amino-*n*-butyric acid was accomplished by converting  $\beta$ -bromopropionic acid to  $\beta$ -cyanopropionic acid, which on reduction yielded the desired compound. The carbobenzoxy derivative was prepared and condensed with histidine methyl ester in a manner similar to that employed in the synthesis of the  $\alpha$ -alanyl-*l*-histidines. This peptide likewise showed no depressor action, and demonstrated further that the terminal position of the amino group did not confer depressor activity on acyl derivatives of histidine. Furthermore, it led to an investigation of the significance of the  $\beta$ -amino group in other derivatives of  $\beta$ -alanylhistidine, to see if they possessed depressor activity.

The histidine peptides of  $\alpha$ -amino-*n*-butyric acid and  $\beta$ -amino-*n*-butyric acid became of considerable importance. Since the  $\beta$ - and  $\alpha$ -amino-*n*-butyric acids have asymmetric carbon atoms, it was felt that the individual isomers of each of these amino acids should be prepared. Also, by studying the  $\beta$ -amino-*iso*-butyryl peptide a means of detecting whether it is necessary to have both hydrogens on the  $\alpha$ -carbon of the  $\beta$ -alanine would be afforded. The  $\beta$ -amino-*iso*-butyric acid can, of course, be regarded as an  $\alpha$ -methyl- $\beta$ -alanine. Again optical activity came into the picture, and again it was felt that the individual isomers of these amino acids and their corresponding peptides should be prepared. All of these peptides have been prepared and have been isolated in pure crystalline form and fully characterized with proper derivatives to aid in demonstrating their composition.

The  $\alpha$ -amino-*n*-butyric acid was prepared from  $\alpha$ -bromobutyric acid, and the formyl derivative resolved with brucine. Both the *d*- and *l*- $\alpha$ -amino-*n*-butyryl peptides of *l*-histidine were synthesized in a manner similar to the method used for the  $\alpha$ -alanyl peptides.

The  $\beta$ -amino-*n*-butyric acid was prepared from crotonic acid by the addition of ammonium hydroxide. The carbobenzoxy derivative was employed for resolution. This was accomplished with *d*- and *l*- $\alpha$ -phenyl ethylamine.

The peptides were prepared by condensation of the acid chlorides with histidine methyl ester. Saponification and reduction yielded the desired compounds.

The preparation of  $\beta$ -amino-*iso*-butyric acid was accomplished by reducing  $\alpha$ -cyanopropionic acid to the amino acid. The carbobenzoxy derivative was prepared and resolved with *d*- and *l*-phenyl ethylamine. The preparation of the peptides was accomplished by condensation of the acid chloride of the carbobenzoxy amino acid with histidine methyl ester followed by saponification and reduction. None of these butyryl peptides had any depressor activity.

This work has demonstrated an amazing specificity of the  $\beta$ -alanyl radical in producing lowering of the blood pressure when it is attached to the amino acid, *l*-histidine. It emphasizes not only that a  $\beta$ -amino group is necessary but further that a three-carbon chain is requisite for this action and that the two hydrogen atoms must be present on the  $\alpha$  carbon. This specificity is quite in contrast to the case of the pressor substances such as adrenaline. In this latter case a whole series of compounds will increase the blood pressure. The work so far on choline would indicate that a series of choline-like compounds will decrease blood pressure.

The synthetic work on histidine peptides has also led to the preparation of aspartylhistidine. The source of carnosine in the body has been an intriguing problem ever since the discovery of carnosine. One must recall that carnosine can be synthesized by the body in the absence of  $\beta$ -alanine in the diet if histidine be present. One of the current theories, which has been before the field for many years without any experimental support, has been that the body synthesized the  $\beta$ -aspartyl-*l*-histidine and that by decarboxylation of the  $\alpha$ -carboxyl group of the aspartyl moiety, carnosine would be formed. The obvious approach to such a question would be to synthesize the compound which has been assumed to be formed as an intermediate and study this compound.

The synthesis of  $\beta$ -*l*-aspartyl-*l*-histidine was finally accomplished by condensation of the  $\alpha$ -benzyl ester of carbobenzoxy aspartic acid  $\beta$ -chloride with histidine methyl ester. Saponification and reduction yielded the peptide.

Since carnosine, injected subcutaneously, will support the growth of animals maintained on a histidine-deficient diet, it was evident that if this peptide were convertible to carnosine *in vivo* then it should likewise support growth of the animals under these conditions. Such an investigation was therefore carried out, the aspartylhistidine being injected subcutaneously and proper carnosine controls being carried out as well. In addition, *dl*- $\beta$ -amino-*n*-butyrylhistidine was included as another example of a  $\beta$  peptide. All three peptides supported the growth of the animals.

It is evident that if a hydrolytic enzyme were present which could hydrolyze the  $\beta$ -aspartylhistidine and the  $\beta$ -aminobutyrylhistidine the liberated histidine would support the growth of the animals. The present approach does not differentiate between the direct hydrolysis of  $\beta$ -aspartylhistidine or the intermediary conversion to carnosine and subsequent hydrolysis. The results simply make feasible such an hypothesis as the conversion of  $\beta$ -aspartyl-*l*-histidine to *l*-carnosine.



## THE SYNTHESIS OF CERTAIN HIGHER HOMOLOGUES OF CYSTINE AND METHIONINE AND A STUDY OF THEIR OXIDATION IN THE ANIMAL BODY

by CHASE BREESE JONES \*

Since the first realization of the importance of cystine in nutrition and in the metabolic processes of the animal body, investigators have sought to elucidate the principles underlying its metabolism and its functions in the organism. The discovery of methionine and, later, the discovery of a method for the preparation of homocystine further stimulated investigations relating to the metabolism of sulfur-containing amino acids. An important method of approach in the study of the physiological behavior of these compounds has been the investigation of their oxidation *in vivo* and a comparison of the effects brought about by various chemical changes and substitutions in the molecules of these compounds upon their oxidizability in the animal body.

A review of the literature relating to the oxidation of elementary sulfur and of sulfur compounds in the body has been presented. In summarizing the results of the various investigations that have been reported in this connection, we may conclude that, as a whole, these results are in agreement with the theory advanced by Lewis and co-workers. According to this theory, mercaptans and such other compounds as may be hydrolyzed or reduced to mercaptans are the only forms of sulfur compounds that undergo extensive oxidation in the animal body. There are a few exceptions to this generalization. Apparently compounds in which a mercapto group is linked directly to a benzene ring are oxidized with difficulty *in vivo*. On the other hand, cystine sulfoxide seems to be quite readily oxidized in the body. Likewise in the case of the naturally occurring sulfur-containing amino acids, a potential sulphydryl group is essential for ready oxidation. Experiments have been reviewed which indicate that the disulfide group and the sulphydryl group are interconvertible in the normal animal organism. Considerable evidence is available that would lead one to believe that methionine undergoes demethylation to homocysteine during the course of its oxidative metabolism. The fact that S-methyleysteine is easily oxidized *in vivo* suggests similar demethylation of this lower methionine homologue. Many investigations have been surveyed in this review which indicate that in cases where the sulfur of a sulphydryl amino acid is linked to an aromatic radical, or to an aliphatic group

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other than the methyl group, conversion of the sulfur to sulphydryl sulfur is rendered impossible, and the molecule is thus prevented from undergoing a great amount of oxidation. It is also apparent from previous experimental work that a free, or potentially free,  $\alpha$ -amino group is essential for the oxidation of naturally occurring sulfur-containing amino acids. Acetylation or formylation of the amino group has little, if any, effect on oxidizability of the naturally occurring amino acids. The reason for this seems to lie in the ability of the body to hydrolyze the acetyl or formyl derivatives to the free amino acids. Introduction of other radicals into the amino group greatly decreases the extent of oxidation of the compound *in vivo*, thus indicating that reactions involving this group occur prior to oxidation of the sulfur moiety of the molecule in its catabolism.

Cystine was discovered by Wollaston in 1810, and near the end of the nineteenth century investigations had already revealed that this amino acid plays some part in metabolic processes, since it was observed that feeding of phenyl halides resulted in elimination of a compound in which acetylcysteine was conjugated with the administered monohalogen benzene. It was soon found that cystine was a normal component of proteins in general. Oxidation studies on this amino acid indicated that it is very readily oxidized in the animal body. It was not until 1915, however, that Osborne and Mendel disclosed the special significance of cystine in nutrition by the observation that animals failed to grow when maintained on a diet low in this constituent, but that addition of cystine to such a diet resulted in normal growth.

The only form of cystine known to occur in nature is the optically active levorotatory cystine, *l*-cystine. The two other theoretically possible stereoisomers, *d*-cystine and mesocystine, were prepared in pure form by du Vigneaud and collaborators. It was demonstrated that *d*-cystine is incapable of supporting growth and undergoes relatively little oxidation *in vivo*. Mesocystine and *dl*-cystine occupy a position midway between *d*- and *l*-cystine in these respects.

Methionine was the second sulfur-containing amino acid to be discovered. Mueller reported its isolation in 1923, and Barger and Coyne later presented proof by synthesis that its structure was that of  $\alpha$ -amino- $\gamma$ -methylthiobutyric acid. Methionine was found to be as readily oxidized in the animal body as cystine, and it was later demonstrated by Jackson and Block that either *d*- or *l*-methionine is capable of serving for growth purposes in lieu of *l*-cystine. More recent experiments of Rose and co-workers have demonstrated that normal growth of animals can be obtained on a diet containing methionine but no cystine; on the other hand, a methionine-free diet is incapable of promoting growth even if cystine is added. This furnished experimental evidence for the actual conversion of methionine into cystine within the organism. A considera-

ble amount of evidence has been obtained which indicates that such a conversion involves demethylation of the methionine, thus suggesting that homocysteine is an intermediate product in this degradation of methionine.

It is evident from the above observations that a close physiological relationship exists between cystine, methionine, and homocystine. Since these are the only disulfide and methylthio  $\alpha$ -amino acids that have been available for experimental studies, it seemed desirable to prepare certain other disulfide and methylthio amino acids, and to determine whether certain of the relationships between these known compounds of this type might not be general relationships that would exist between any  $\alpha$ -amino acids containing the disulfide or methylthio group, especially in regard to oxidation in the animal body. It seemed probable that if such a general relationship did exist, it might be most apparent in the case of compounds most similar to cystine, methionine, and homocystine from the standpoint of solubility and molecular size as well as from the standpoint of mutual possession of the same prosthetic groups. In view of these considerations, the synthesis of the next higher homologues of homocystine and methionine was carried out.

The cystine homologue (pentocystine) was synthesized according to a modification of the method used by Dr. Dyer in this laboratory for the same synthesis. This synthesis was carried out starting with trimethylene bromide and sodium phthalimidomalonate according to the general method of amino-acid synthesis developed by Sörensen. In this connection we have presented certain experiments that indicate that iodine in liquid ammonia may be conveniently employed for oxidation of sulfhydryl compounds to the corresponding disulfides. The next higher homologue of methionine was synthesized from pentocystine by reduction of the latter by means of sodium in liquid ammonia and methylation of the resulting pentocysteine. This methionine homologue was named "homomethionine". N-Formyl-S-benzylpentocysteine and formylhomomethionine were prepared for purposes of characterization of pentocystine and homomethionine.

Experiments carried out on the extent of oxidation of pentocystine and homomethionine in the animal body, using rabbits as experimental animals, demonstrate that pentocystine is oxidized to little more than one-half the extent to which *L*-cystine is oxidized *in vivo*. Since the method of synthesis of pentocystine presented the possibility of formation of a mixture of mesopentocystine and *DL*-pentocystine and since the oxidation of a mixture of the corresponding cystine isomers had not previously been investigated in the rabbit, the oxidation of a mixture of mesocystine and *DL*-cystine was determined. It was found that after administration of this optically inactive mixture of cystine isomers, 72 per cent of the extra total urinary sulfur appeared in the form of sulfate sulfur. Pento-



cystine was found to be oxidized to the extent of 44 per cent, and homomethionine was found to be oxidized to the extent of 25 per cent, in the rabbit. Evidence is presented which indicates that little reduction of pentocystine to its sulfhydryl form occurs within the body. Homomethionine apparently undergoes no detectable demethylation during its passage through the organism. The results of these oxidation studies seem to signify that availability of sulfur-containing amino acids for oxidation *in vivo* is not dependent upon the presence of disulfide or methylthio group, a straight carbon chain, a terminal carboxyl group, and an  $\alpha$ -amino group alone. Some other factor must be involved which permits the ready oxidation of cystine, methionine, and homocystine and which prevents pentocystine and homomethionine from undergoing extensive oxidation in the animal body.

According to the theory of Knoop, which has received considerable experimental support, the oxidation of fatty acids in the body involves successive decreases of the carbon chain by removal of two carbon atoms at a time. The carboxyl group and alpha carbon atom are removed during each stage of the degradation. It did not seem impossible to us, a priori, that an analogous situation might obtain in the case of amino acids. Furthermore, since almost all the fatty acids found in nature contain an even number of carbon atoms, it seemed conceivable that a cystine homologue having an even number of carbon atoms on each side of the disulfide linkage might be converted directly to homocystine or at least that it might undergo oxidation and catabolism in a manner more closely resembling homocystine than would pentocystine, which has an odd number of carbon atoms on each side of the disulfide linkage. With this possibility in mind, the second higher homologues of cystine and methionine were synthesized. These we named "hexocystine" and "hexomethionine", respectively, thus indicating that there are six carbon atoms on the carboxyl side of the sulfur in each of these compounds. Hexocystine was synthesized from tetramethylene bromide and phthalimidomalonic ester in a manner analogous to that used in the synthesis of pentocystine. S-Benzylhexocystine and N-formyl-S-benzylhexocystine were prepared as derivatives for characterization of hexocystine. Hexomethionine was synthesized by reduction of hexocystine by the action of metallic sodium in liquid ammonia and by subsequent methylation of the hexocystine thus formed. The preparation of benzenesulfonylhexomethionine has been presented.

Studies of the oxidation of hexocystine and of hexomethionine in the animal body yielded results which show that hexocystine is no more readily oxidized than pentocystine and which indicate that hexomethionine undergoes less oxidation than does homomethionine *in vivo*. The average percentage of oxidation of hexocystine, calculated as per cent of increased total excreted sulfur appearing as sulfate sulfur, was 41 per

cent in these experiments. Approximately 15 per cent of the sulfur of hexomethionine was converted to sulfate sulfur on administration of this methionine homologue. The sulfur of hexocystine, like that of pentocystine, is excreted more slowly than is the sulfur of cystine, methionine, or homocystine. That of hexomethionine and of homomethionine, on the other hand, is eliminated quite promptly upon administration of either of these homologues of methionine. A strong test for disulfide was obtained in the urine after feeding hexocystine, but the test for the sulphydryl radical was negative. Like homomethionine, hexomethionine does not seem to be demethylated to any appreciable extent in the body. Growth studies have been carried out, and their results demonstrate that neither hexocystine nor hexomethionine is capable of promoting growth on a cystine-deficient diet.

The results of these oxidation studies and growth studies on hexocystine and hexomethionine corroborate the investigations carried out on the oxidation of pentocystine and homomethionine in indicating that oxidizability *in vivo* and growth-promoting properties are not characteristics common to disulfide and methylthio  $\alpha$ -amino acids in general. It seems to us that these investigations afford further evidence for the unique physiological interrelationship between cystine, homocystine, and methionine.

It seemed conceivable that detoxication of bromobenzene by cystine *in vivo*, with resulting formation of bromophenylmercapturic acid, might not be as specific for naturally occurring sulfur-containing amino acids as either oxidizability in the body or ability to promote growth. Experiments were carried out on pentocystine and hexocystine to determine whether or not this were the case. In one series of experiments the growth method developed by White and Jackson was employed. Young albino rats were maintained on a diet containing bromobenzene and just enough cystine for its detoxication by formation of bromophenylmercapturic acid. The animals fail to grow on such a diet, since the cystine is used for mercapturic-acid synthesis in preference to its utilization for growth purposes. It was observed that addition of either pentocystine or hexocystine to this diet failed to promote growth of the animals. Since it has been shown that neither of these cystine homologues is capable of promoting growth on a cystine-deficient diet, these results indicate that neither of these compounds can be utilized for the detoxication of bromobenzene by formation of either of the corresponding homologues of bromophenylmercapturic acid. Another method that was used, and which led to the same conclusion, was isolation of the mercapturic acid excreted after administration of hexocystine, bromobenzene, and just enough cystine to serve either for growth purposes or for mercapturic-acid synthesis. The isolation of bromophenylmercapturic acid itself, rather than its homologue containing two more carbon atoms in the chain, confirmed the results obtained by the growth method. It has thus



been demonstrated that conjugation with bromobenzene as a means of detoxication of this compound *in vivo* is not a process that can be used by the animal body in respect to disulfide amino acids in general.

Abundant experimental evidence has been reported in the literature to indicate that acetyl or formyl derivatives of the unnatural stereoisomers of naturally occurring amino acids are physiologically unavailable to the animal organism. On the other hand, the acetyl or formyl derivatives of the naturally occurring isomers of such amino acids appear to be readily hydrolyzed within the body. Growth experiments have demonstrated this relationship between these acyl derivatives of methionine and tryptophane, in each of which cases either optical isomer of the free amino acid serves equally well for growth purposes. Oxidation studies on the isomers of cystine and of other amino acids have shown that the acyl derivatives of the unnatural isomers are much less readily oxidized than the corresponding forms of the free amino acids, whereas acylation of the natural isomers has no appreciable effect on oxidizability. Experiments of this type hitherto reported have been carried out exclusively on amino acids that have been isolated from natural sources. It seemed desirable to determine whether or not this same relationship obtains in the case of homocystine, as an example of an amino acid that has not been isolated from natural sources. Acetyl-*d*- and acetyl-*l*-homocystine were prepared. Oxidation studies were made on the optically active homocystine and acetylhomocystine isomers. It was found that acetyl-*d*-homocystine is much less readily oxidized than *d*-homocystine itself, whereas *l*-homocystine and its acetyl derivative are oxidized to approximately the same extent in the animal body. These results indicate, in the light of previous investigations on other amino acids, that *l*-homocystine corresponds in spatial configuration to the naturally occurring series of amino acids, and that the steric configuration of *d*-homocystine is that of the unnatural series of amino acids. These conclusions are in agreement with the chemical proof of stereostructure of these homocystine isomers determined by du Vigneaud and Patterson. It is proposed that similar biological oxidation studies on the acetyl derivatives of their optically active isomers may be used as a general method for determining the spatial configuration of amino acids.



# PATHOGENICITY, SEASONAL DEVELOPMENT, AND HETEROTHALLISM OF SOME APPLE-RUST FUNGI

by PAUL R. MILLER \*

Rusts of apple caused by species of the fungus genus *Gymnosporangium* are widely and commonly distributed diseases of economic importance throughout the central and eastern portions of the United States. Despite considerable research on these diseases there have arisen numerous discrepancies in records of both observation and experiment, with consequent significant disagreement in their interpretation, justifying further research in attempting their elucidation. This study, begun in 1929 in Indiana and continued since in Washington, D. C., and in various other places in eastern United States, has permitted reanalyzing the problem. The results of these new laboratory and field studies of the three diseases and their causative fungi, now recognized as apple rust caused by *Gymnosporangium juniperi-virginianae* Schw., quince rust caused by *G. clavipes* Cke. & Pk., and hawthorn rust caused by *G. globosum* Farl., are here correlated with earlier accounts, making possible a more acceptable explanation of previous inconsistencies in the literature, and a more accurate understanding of the life histories of the pathogens as the basis for improved methods of control. These findings in the order of their presentation may be summarized as follows:

In determining the dates for the separate stages in the complete life history of *G. juniperi-virginianae*, comparable in this respect to the other two species, it was ascertained that dissemination of aeciospores, usually assumed to be autumnal, is actually during July, August, and September.

For each of the three parasites there is assembled a list of known hosts including several species and varieties not previously so recorded. New records are established for immunity in four varieties of *Juniperus virginiana*, and in six species and one variety of *Malus*.

Geographic distribution of each of the three fungi with new records of their occurrence on apple is presented. Evidence from intensive surveys in one apple-growing region in 1932, 1934, and 1936 revealed an actual extension of range for one species, *G. clavipes*, on apple.

Results of a critical taxonomic study of the three fungi with the more useful comparisons and contrasts are presented in tabular form, as a means to ready identification.

Heterothallism was demonstrated by experimental evidence for both *G. juniperi-virginianae* and *G. globosum*.

\* B.S. 1929, Indiana State Teachers College; M.S. 1931, Purdue University; Ph.D. conferred June 8, 1938.

Comparative teliospore germination tests of the three species showed a uniformity in temperature optima, 24° C. The same uniformity was found in the three species for basidiospores but at a different optimum, 16° C. Their parallelism was also evident at high temperatures, 32-36° C., in the uniform production of promycelia without basidiospores. Nevertheless, when basidiospores, previously produced at lower temperatures, were subjected to extremely high temperatures, they produced no germ tubes but only secondary basidiospores by proliferation.

Determination of the temperature optima for aeciospore germination in the three species showed a striking contrast, 24° C. for *G. juniperi-virginianae* and *G. globosum* but 16° C. for *G. clavipes*.

Tests of aeciospore germination of *G. juniperi-virginianae* were made monthly, from August to June inclusive, over a period of four years. The spores were kept under natural conditions previous to germination and the tests were made uniformly at the optimum temperatures, 24° C. These results showed that the percentage germination in August was low and that maximum germination was reached at some time during late winter, varying from year to year. That aeciospores germinate better after overwintering indicates that they function as resting spores, which may be significant in relation to control.

Parallel descriptions of the three diseases on both apple and cedar, stressing the symptoms according to their seasonal development, are accompanied by a tabular presentation of significant diagnostic features.

Results of inoculations on apple showed that the quince-rust fungus infected certain varieties, some of which were infected by the apple-rust fungus also. Failure to inoculate experimentally apple leaves with the quince-rust fungus coincides with field evidence of foliage immunity to this fungus. The hawthorn-rust fungus failed to produce disease on the fruit of any variety inoculated, but did infect the foliage of the varieties which were susceptible to the apple-rust fungus. There was a limited period during which infection could be secured on susceptible varieties, but the period was of unequal duration for fruit and for leaves, about ten days for fruit and about fifteen for foliage. Evidence was secured indicating the existence of physiologic races within the species *G. clavipes*. Two types of resistance were demonstrated in apple foliage. One is inherent in the variety regardless of host maturity. The other, recognized in susceptible varieties, is conditioned by the stage of maturity, as is shown when mature leaves, normally resistant, succumb to infection after wounding.

Apple varietal-susceptibility records were obtained through the use of a comparative method for determining percentage of leaf area infected.

The assembled evidence indicates that all three species of *Gymno-*

*sporangium* have been present on apple for some time, although unrecognized by previous workers at the time this study was begun.

Considerable difference in susceptibility was detected in individual red cedar trees; the three diseases being most common on those trees bearing awl-shaped leaves and considerably less frequent on those with scale-like leaves. Galls usually originate on the leaves in the former case and on the stems in the latter, as was revealed from the study of microtome sections of immature galls. Surveys of red cedars failed to disclose a differential susceptibility of staminate and carpellate trees.

Experimental evidence showed the likelihood that there are two rather distinct periods when the red cedars become infected: first, soon after the aeciospores are released, when only a small percentage of them will germinate; and second, later in the season, possibly in early spring, when infection is caused by aeciospores which have overwintered on the *Juniperus* foliage prior to their germination.

An application of a fungicide to junipers during the dormant season appears justified by the evidence of aeciospore overwintering, and such preliminary spraying experiments have shown promise as an effective control measure applicable to susceptible plantings of ornamental value.



## CULTIVATION OF EXCISED ROOTS OF WHITE MOONFLOWER, *CALONYCTION ACULEATUM*

by ROBERT LOUIS WEINTRAUB\*

The study of many physiological processes in higher plants is complicated by the interrelationships which exist among the various plant organs. As early as 1902, Haberlandt suggested that the cultivation of isolated portions of the plant in suitable nutrients might throw light on these relationships. Despite a great deal of work on this problem by Haberlandt and many other investigators, successful results have been relatively few. The most promising results in this field have been obtained in the cultivation of isolated root tips.

In the cultivation of excised roots two general procedures may be followed. In the first case one may culture the excised seedling root (here designated as initial explant). A second method consists in the repeated excision of tips of the primary and branch roots produced by the growth of the initial explant and of the successive explants developed from these. Valuable results have been obtained through intensive investigations of previous workers employing the subculturing technic, but no comparable studies of the initial explants have been reported.

The production of excised root systems resembling those normally developed by the intact plants has heretofore not been achieved. In the interpretation of normal root physiology material of this type would be most valuable, since it is most directly comparable with the intact root.

The present investigation was undertaken with the purpose of laying a groundwork for a study of some aspects of the carbon and nitrogen metabolism of growing excised roots of the white moonflower, *Calonyction aculeatum* House.

Moonflower seeds were sterilized and germinated under aseptic conditions. When the radicles were 10 to 40 mm. long, the tips were excised and transferred to 250 ml. Pyrex Erlenmeyer flasks containing 50 ml. of sterile culture solution. It was found that the growth potentiality of the explants was independent of the length, at least within the limits of 3 to 40 mm. The medium employed in most of the experiments had the following composition (in millimols per liter) with respect to the inorganic constituents: calcium nitrate 0.60, potassium nitrate 0.80, magnesium sulfate 0.15, potassium chloride 0.87, potassium dihydrogen phosphate 0.45, ferric sulfate 0.006, manganous sulfate 0.002, sodium tetraborate 0.0023. The moonflower roots proved relatively insensitive to a concentration of phosphate as high as 0.02 molar, making it possible to buffer the media at any desired hydrogen-ion concentration by the use

\* B.S. 1931, A.M. 1933, The George Washington University; Ph.D. conferred June 8, 1938.

of suitable mixtures of potassium monohydrogen phosphate and potassium dihydrogen phosphate or of potassium monohydrogen phosphate and orthophosphoric acid. The optimum pH range for growth was found to be fairly broad, lying between pH 4.4 and 5.1. Good growth was obtained over an even greater range (pH 3.8 to 7.0).

For the most part the cultures were kept in a dark room maintained at a temperature of  $24 \pm 2^\circ \text{C}$ . The optimal temperature range is at  $24$  to  $29^\circ \text{C}$ . Growth was found to be markedly increased by aeration of the culture medium.

The most obvious deficiency of the excised root is a supply of carbohydrate, which is normally furnished through the photosynthetic activity of the shoot. In the absence of supplied carbohydrate the total increase in length amounts to about 150 per cent of the original length of the explants. Glucose, sucrose, fructose, lactose, galactose, xylose, mannitol, citric acid, and sodium acetate were studied as sources of carbon for excised moonflower roots. With the four last-mentioned substances the explants made only as much growth as in the absence of supplied carbohydrate; no growth at all occurred in the presence of galactose. Of the substances supporting growth, fructose was slightly superior to glucose, whereas lactose and sucrose were distinctly inferior.

The optimal concentration of glucose is in the neighborhood of (probably somewhat greater than) 2 per cent. At glucose concentrations from 0 to 2 per cent the growth varies linearly with concentration. Various brands of highly purified glucose differ greatly in their effect on growth. In a comparison of fourteen such brands it was found that the average growth in the best glucose solution was three times that in the poorest. These differences are associated, apparently, with the presence of impurities in the sugars.

The early growth of the cultures in medium containing 2 per cent of sugar was not appreciably influenced by the presence or absence of sunlight. Under conditions of relatively low sugar supply, however, a beneficial influence of illumination became apparent during longer culture periods. The roots cultured in light develop abundant chlorophyll and it seems quite possible that synthesis of carbohydrate and of other substances, directly or indirectly, may take place. It was found that roots cultured in darkness for two to three months contained no more ascorbic acid than the 10 mm. tips used as inocula, whereas the content of excised roots grown in light was approximately twice as great.

The presence of yeast extract in the medium caused an initial retardation of the growth. This is possibly due to the presence of heteroauxin in the yeast. The presence of 0.1 mg. of crystalline heteroauxin per liter has been found to cause a transient inhibition of growth. On longer culture a beneficial effect of yeast extract was found. The beneficial effect may be due to at least three types of components: vitamin B<sub>1</sub>,



amino acids, and inorganic salts. Preliminary experiments with initial explants of moonflower roots have not demonstrated any beneficial effect of vitamin B<sub>1</sub> or of a number of rarer elements (zinc, silicon, aluminum, iodine, nickel, lithium, cobalt, copper, molybdenum) when supplied separately or together during relatively short culture periods. On the other hand, increased growth has been obtained in media containing a mixture of the following amino acids: *dl*-alanine, *d*-arginine hydrochloride, *l*-aspartic acid, *l*-cysteine hydrochloride, cystine hydrochloride, *d*-glutamic acid, glycine *l*-histidine, dihydrochloride, *l*-hydroxyproline, *dl*-isoleucine, leucine, *dl*-lysine dihydrochloride, *dl*-methionine, *d*-ornithine hydrochloride, *dl*- $\beta$ -phenylalanine, *l*-proline, *dl*-serine, threonine, tryptophane, *l*-tyrosine, *dl*-valine. Addition of vitamin B<sub>1</sub> to the amino-acid medium did not increase the beneficial effect during the culture period studied (one month).

The most obvious explanation of the role of the amino acids is that they constitute a readily available supply of nitrogen for the excised root. It was of considerable importance to determine whether the excised root is entirely dependent upon such organic nitrogen sources or whether it is able to utilize also nitrogen supplied in inorganic compounds.

It was found that the roots responded markedly to nitrogen in the form of nitrate. Although a surprisingly large amount of growth occurred in the absence of supplied nitrogen, nitrogen could be made the limiting factor for growth if it were withheld completely. Under the environmental conditions studied, nitrogen was no longer limiting when as much as 0.002 molar potassium nitrate was supplied. It was further demonstrated, by nitrogen analyses of the roots, that excised moonflower roots are able to utilize nitrate as the sole source of nitrogen for the elaboration of their organic nitrogenous constituents.

It was found that under the environmental conditions employed the growth rate of the excised roots compared favorably with that of intact roots. In media containing only inorganic salts and sugar growth rates of the primary root as high as 38 mm. per day have been observed for short periods, while elongations of 15 to 33 mm. per day over periods up to four months have been found in many cultures. In many cases the rate of branch root formation has equaled or exceeded that observed in intact roots. The total linear increment of which the initial explants are capable is quite large. The greatest increment of the primary root which has been measured was 2150 mm. in a culture period of 126 days. Other primaries have attained lengths of 1940, 1800, 1650, and 1515 mm. in similar lengths of time while increments in the neighborhood of 1000 mm. have been fairly common. The greatest total linear increment (primary plus branches) of the initial explants which has been measured was 3433 mm. produced in 265 days. In other cultures total increments



of 2585 and 2486 mm. have been produced in culture periods of 100 days.

In most of the cultures the excised roots have remained in a juvenile condition. In a few sets of cultures which were maintained for periods of several months secondary thickening has occurred. Positive geotropism is manifested by moonflower roots when cultured on solid substrates (agar) but not when grown in liquid media.

The results obtained with excised moonflower roots are of particular interest in relation to the findings of other investigators with other species. Continued growth has heretofore been obtained only if certain organic amendments (yeast extract, vitamin B<sub>1</sub>, amino acids) were supplied. The present work has shown that initial explants of moonflower roots are capable of making very considerable growth in media to which have been added only inorganic salts and sugar. Inasmuch as the excised moonflower root is able to assimilate inorganic nitrogen, it is not surprising that amino acids should not be essential. Although no conclusion as to the reason for the independence of the excised moonflower root of supplied vitamin B<sub>1</sub> can be given, a number of possibilities may be suggested. In the first place, it is conceivable that the root either does not need or is able to synthesize the vitamin. On the other hand, it may be that the moonflower root is only apparently independent of supplied vitamin B<sub>1</sub>. This might be the case if the vitamin were supplied, in amounts sufficient to account for the growth obtained, either in the fragment of root tip used as inoculum or as an impurity in the sugar.



SUMMARIES OF THESES SUBMITTED FOR  
THE DEGREE OF DOCTOR OF EDUCATION

1936-38





## A STUDY OF EPISCOPAL SECONDARY SCHOOLS FOR BOYS IN THE UNITED STATES

by BURNICE HERMAN JARMAN\*

The purposes of this study are to make available to all persons interested: (1) the stated aims underlying the philosophy of Episcopal secondary schools for boys; and (2) the means employed by the schools in the achievement of stated aims through (a) state and church control, (b) faculty personnel, (c) curricular activities, and (d) extracurricular activities.

Data were secured through school catalogues for the year 1935-36 and questionnaires sent to the headmasters of forty-two schools enrolling 5,987 students. Thirty-seven schools, or 90 per cent, cooperated by returning the questionnaire which dealt with faculty personnel.

The scope of the study is indicated by the headings of the several chapters. Chapter I gives the introduction, purpose of the study, related studies, the methods employed in making the study, and the contributions this study hopes to make to church-school education. Chapter II presents a brief historical background of the genesis and growth of present-day Episcopal schools. Chapter III shows the aims of Episcopal schools as the objectives were listed in forty-two school catalogues. Chapter IV ascertains the control of Episcopal schools as exercised by state and church authorities. Chapter V gives a comprehensive picture of the faculty personnel of Episcopal schools. Chapter VI deals with the types of programs of study and the subject-matter offerings found in the courses of study. Chapter VII shows the extracurricular offerings found in Episcopal schools and the part they play as a means of achieving stated aims. Chapter VIII gives the summary and conclusions of the study. Four appendices list the data and questionnaire used in the making of the study.

Twentieth-century Episcopal schools have their roots in the Latin grammar school which was transplanted to colonial America from Europe. With the development of commercial interests and the emergence of new social and economic demands which the Latin grammar school did not meet, the English grammar school and the academy caught the imagination of America's well-to-do. The academy movement was a protest against a classical and theological education based upon the Latin language.

Following closely the academy movement, a few schools developed

\* B.S. 1928, Pennsylvania State Teachers College, West Chester; A.M. 1932, The George Washington University; Ed.D. conferred February 22, 1938.

which were closely connected with the church. Only two present-day church schools were able to survive the Latin-grammar-school and academy movements. Trinity School, founded in 1709, began as a Latin grammar school and the Episcopal Academy, founded in 1785, was established during the academy period.

Four Episcopal schools established since the academy movement were destined to exert a great influence on their kindred institutions. St. James, founded in 1842, on the English plan, is the "Mother of Church Boarding Schools". St. Paul's School (Concord), founded in 1856, contributed the idea of physical education and the terminology of the English "public" school. Shattuck, established in 1859, was notable in that it began the liberalization of the curriculum and introduced military training under the guidance of the War Department. Kent School, founded in 1906, with the two features of the sliding-scale plan for the payment of tuition fees and the self-help plan for students has influenced the Episcopal schools established since 1910.

Four aims were found to constitute the chief purpose of Episcopal schools: (1) college preparation, (2) health, (3) formation of ethical character, and (4) meeting the needs of individuals. Three groups of Episcopal schools comprising fourteen schools founded before 1900, eighteen schools founded since 1900, and ten military schools were in almost complete agreement with these four aims.

The three groups of schools differed chiefly as to aims held in that the schools founded before 1900 adhered more closely to the idea of mental discipline than did the others. Church military schools, as a group, were more concerned than nonmilitary schools with the aims of citizenship, leadership, and democracy. Military schools aimed also to provide for the non-college student and, as a group, were less concerned with the aim of culture.

Twentieth-century Episcopal schools are holding tenaciously to an outmoded philosophy of education that is essentially individualistic. Episcopal schools minimize such essential social aims as cooperative living in the community and world, service to mankind, and an insight concerning the changing social order.

In order to study intelligently the means employed by Episcopal schools in the attainment of aims, it was necessary first to ascertain the control of church schools as exercised by state and church authorities, wherein such control applied to the freedom of Episcopal schools in the achievement of their stated aims.

The legal basis of private schools and the restrictions by law as to their organization and administration were considered under three headings: (1) the police power, (2) the law of charities, and (3) corporate law as applied to educational institutions.



Application of police power as applied to Episcopal schools located in twenty-one States and the District of Columbia is seen in such State regulations concerning school laws in all States, approval and inspection by State officials in fifteen States and the District of Columbia, regulation of the teaching of patriotic subjects in sixteen States, and requirement of English as the language of instruction in sixteen States.

Charities are favored in varying degrees by law in eighteen States and the District of Columbia. Episcopal schools, like other private schools, benefit by this in the matter of tax exemption. Twelve States state that the property "shall" be exempt, and seven that it "may" be exempt. Court decisions show that in doubtful cases the questions are settled in accordance with the law of charitable uses, which favors the schools as coming under the definition of charity.

Since thirty-nine of the forty-two schools are incorporated, the question of the incorporation of educational institutions was considered. It was found that the States have the power to incorporate schools, granting them certain powers at the time of incorporation. The States have the right to place limitations at the time of incorporation, but once certain rights are granted a contract exists between the individual corporation and the State. The courts have held that the contract cannot be altered except by mutual consent.

The impression gained from the study of laws concerning private schools is that the state concerns itself but little with such institutions and that they are virtually free and independent to carry out their proposed policies.

The church, like the state, has little control of Episcopal schools. The majority of church schools, though affiliated loosely with the diocese or province, have no organic connection with the church other than the fact that the bishop of the diocese or province is a member of the board of trustees. The church's chief control of its schools appears to be in the spirit and form of worship as practiced by ordained priests in the several school chapels.

The educational background of 671 teachers in Episcopal secondary schools as evidenced by earned degrees was rather high. Sixteen, or 2 per cent, of the teachers held the Doctor's degree; 157, or 24 per cent, held the Master's degree; 378, or 56 per cent, held the Bachelor's degree; while 120, or 18 per cent, held no degrees. The forty-two headmasters were found to be little better educated than their teachers. Four, or 9 per cent, held the Doctor's degree; eight, or 19 per cent, held the Master's degree; twenty-eight, or 67 per cent, held the Bachelor's degree; and two, or 5 per cent, held no degrees. Seventeen, or 40.4 per cent, of the headmasters were ordained priests of the church. None of the forty-two headmasters was found to be a professionally trained educationist.

In order to ascertain the qualifications which headmasters desired of their teachers in grades nine through twelve, a questionnaire was sent to each administrator. Thirty-seven, or 90 per cent, replied. However, Trinity's reply arrived too late to be included in this study. Thirty-five, or 97 per cent, of the headmasters replying preferred graduates of liberal-arts colleges. Thirty-two schools, or 89 per cent, required the Bachelor's degree of their teachers. Three schools, or 8 per cent, required their teachers to hold the Master's degree, while one school required no earned degree to be held by the incoming teacher.

Twelve, or 33 per cent, of the headmasters required their teachers to have taken formal courses in psychology and education, while twenty-four, or 67 per cent, did not require such courses of their teachers. Seventeen, or 47 per cent, of the administrators believed professional courses in teacher-training were of value, while nineteen, or 53 per cent, felt that such courses were of no value.

Nine headmasters, or 25 per cent, required previous teaching experience of their faculty candidates. The experience ranged from one to five years, the mean being 1.5 years.

Eight, or 22 per cent, of the administrators required teacher candidates to indicate their intention of making teaching their life work before employing them, while twenty-eight, or 78 per cent, did not require teacher candidates to indicate such intention.

The six personal qualifications of teachers that headmasters believed to be most important for a teacher's success were in their order of frequency of occurrence: (1) ethical character, 53 per cent; (2) pleasing personality, 50 per cent; (3) cultural background, 36 per cent; (4) cooperativeness, 36 per cent; (5) ability to supervise extracurricular activities, 33 per cent; and (6) physical appearance, 33 per cent.

The philosophy of Episcopal schools concerning the curriculum was traditional. Four types of programs of study were found offered. Five schools offered the single-curriculum type of program, three schools the pure-multiple curriculum, twenty-nine schools the constants-with-variables curriculum, and five schools a combination type of curriculum. The combination curriculum was found to be in each instance a combination of the pure-multiple and the constants-with-variables curriculums.

English, foreign language, mathematics, natural science, and social science are the subjects required for college entrance and, therefore, receive the greatest attention by Episcopal schools. An average of 4.1 units was found to be offered in English, 11.3 units in foreign language, 4.3 units in mathematics, 3.4 units in natural science, and 4.2 units in social science. Subjects not required for college entrance received very little attention by Episcopal schools.

The large number of extracurricular organizations found in Episcopal secondary schools for boys shows clearly the great use these schools

make of indirect means to obtain their stated objectives of education. Four distinct types of extracurricular activities were found offered by each school. These types were as follows: (1) athletic activities; (2) literary activities; (3) social and religious activities; and (4) musical activities.

Extracurricular activities are undoubtedly a bulwark of Episcopal schools. Each boy engaged in some form of activity. Intramural athletics were found offered in each school in addition to interscholastic contests with outside teams. An average of one teacher was found for every 8.9 boys in church secondary schools, providing ample opportunity for adequate supervision of extra-classroom organizations.



## DEVELOPMENT OF STATE PROGRAMS FOR THE CERTIFICATION OF TEACHERS

by BENJAMIN WILLIAM FRAZIER \*

### THE PROBLEM AND PURPOSES

The problems of this study are (1) to ascertain the nature and extent of the most significant differences in the certification of teachers in the several States; (2) to analyze the causes for such differences; and (3) to suggest means whereby the most effective practices and requirements may be introduced or extended in States where they do not now exist, or where they exist only in part.

The chief purpose of the study is to assist in the improvement of State programs of teacher-certification by bringing together and evaluating materials selected from certification rules and regulations and from the extensive literature of the field. This involves the summarization of certification practices and requirements in the several States, in so far as significant differences exist; the disclosure of important trends and tendencies in certification; the presentation of the opinions of experts in the field; and the evaluation of requirements and practices in the light of principles and jury judgments relating to the improvement of State teacher-certification.

### SOURCES OF DATA; PROCEDURE

The literature of teacher-certification and closely related fields was searched systematically, and more than 600 references were listed. Of these, 150 were selected for intensive review, and are cited in the complete report of this study. In addition, the State certification rules and regulations were secured, and tabulated data from them and from the State school laws were checked by certification officers in each State. Practically all types of available materials were used, including books, monographs, articles, statistical reports, and a number of unpublished Doctor's and Master's theses. All but nineteen of the references were published or written after 1926.

The recommendations given have in most cases received jury validation. The principles or proposals so validated include those presented by Cushing, who had a jury of 202 members; Dearborn and Brodie, with a jury numbering 48; and Myers, with a jury of 312. In addition, criteria representing composite judgments taken from scores of State school surveys and authoritative study reports were used as a basis for recommendations. Represented in the juries that evaluated the principles and

\*A.B. 1917, University of Tennessee; A.M. 1922, Columbia University; Ed.D. conferred June 8, 1938.

proposals used were presidents, deans, and heads of departments of teacher-education institutions; State, county, and city school superintendents; and State directors of teacher-education and certification in a majority of the forty-eight States.

#### FINDINGS

The degree of control exercised over certification specifically by statutes varies among States, from very little to the prescription of requirements in much detail.

The control of certification most commonly is in the hands of the State board or department of education; but other agencies or officers may issue certificates as follows: county authorities, in six States; local town committees, in one State; certain cities, in at least eleven States; and teacher-education institutions, in ten States. In most, but not all, States the trend in respect to important aspects of certification has practically reached its conclusion in the complete centralization of certification in the State board or department of education.

Certification is administered by State staffs of varying size and effectiveness. A certification clerk is all that is provided in some States, while a strong division of teacher-education and certification, more or less integrated with other State teacher-personnel offices, is provided in others.

A significant trend in the administration of certification has been its centralization in the hands of the State board, superintendent, or department of education. The number of State systems in which the issuance of all certificates is completely controlled by the State (city and institutional issuance not considered) increased from three in 1898 to forty-one in 1937.

Significant trends exist in the upbuilding of State professional staffs concerned with the administration of a unified program of teacher-education and certification; and in the delegation of some of the authority exercised directly by the legislatures in determining detailed certification requirements to State boards or departments of education.

Out-of-State teachers are certificated in all States upon a basis of institutional credits; but in seven States, certificates are issued also upon a basis of interstate exchange of equivalent certificates.

Certification upon an interstate-exchange basis was practiced in 1903 by fourteen States; in 1921, by thirty-eight States; and in 1937, by seven States. Increased reliance by certification officers upon out-of-State institutional credentials as a basis for certification, and the difficulty of evaluating out-of-State certificates, explain the rapid decline since 1921 in certification upon an interstate-exchange basis. Differences in terminology, standards, and requirements constitute formidable obstacles to the establishment of interstate reciprocity in certification on a national scale.



Each of the forty-eight States issues one or more kinds of certificates, upon the basis of institutional credentials, to applicants within that State; and each of twenty States issues one or more additional kinds of certificates upon examination. Certificates issued upon examination are usually of low grade, and their use tends to perpetuate low standards of preparation of teachers. Such certificates are issued in all States where county certification is permitted. Once the predominant method of certifying teachers, certification by examination is gradually being superseded by certification upon the basis of institutional credentials.

The most significant differences in certification among the several States are found in the scholarship requirements for certificates. Minimum requirements for elementary teachers range from the indefinite requirements of examinations covering elementary- or secondary-school subjects, found in six States, to four years of college work required by five States. The minimum requirement in typical States is two years of college work for elementary-school teachers, and four years for high-school teachers. The average amount of education of elementary-school teachers in service is at least two and one-half years of college work.

The degree of specialized preparation required in subjects to be taught ranges from little or none in subjects covered by an unspecialized "blanket" certificate, to a major in a subject covered by a specialized certificate. More than one third of the States issue specialized certificates covering agriculture, art, commerce and business, homemaking, industrial arts, music, physical education and health, school librarianship, and trade and industrial education. Thirty-one States issue specialized administrative or general supervisory certificates.

Minimum requirements in professional education for inexperienced teachers of academic subjects in four-year high schools range from eight to twenty-five semester-hours; the median of such requirements is approximately eighteen semester-hours. Among important prescribed courses is student teaching, required in thirty-three States.

There is lack of coordination between certification requirements and employment demands. Teachers when employed in small schools are often assigned to subjects or fields of work for which they are not adequately prepared, partially because certification requirements do not require them to have specific preparation for teaching such subjects.

Minimum age requirements, specified in thirty-seven States, range from seventeen to twenty years; typically, the requirement is eighteen years. Half or less of the States require citizenship, proof of good health, or oath of allegiance to the Constitution of the United States or to the State Constitution.

Life certificates are still issued in thirty-five States. Less than half of the different kinds of the renewable or exchangeable certificates issued require in-service education for renewal or exchange. Emphasis upon



successful teaching experience, rather than upon additional scholarship, tends to retard the advancement of the scholastic preparation of teachers in service.

Significant trends in certification requirements include, among others: (1) a steady elevation of the scholastic requirements for certification; (2) increased specialization of certificates for specific subjects and types of work; (3) a decrease in the number and kinds of certificates issued by counties and local school districts, and upon examination; (4) prescription, in increasing amounts and by an increasing number of States, of professional education; and (5), increasing emphasis upon the issuance of probationary certificates that are renewable only after additional college preparation has been secured.

Certification requirements are determined to a very large extent by the supply of teachers and the nature of the education given them by teacher-education institutions. Institutional curricula and courses and enrollments of prospective teachers are affected in turn by certification requirements. Coordination of teacher-education and certification requirements exists in varying degrees among States, and is entirely complete in none, because of great variations in the degree of centralized control exercised by the several State education offices, and because of the lack of coordination of the work of the different teacher-education institutions by the institutions themselves. With the exception of the American Association of Teachers Colleges, which in 1936-37 accredited less than one fifth of the higher-education institutions known to prepare teachers, no national or regional accrediting association accredits colleges or universities specifically for teacher-education.

Teacher-training high schools or county normal schools enrolling more than 5,000 students are still found in eight States. The certification of the graduates of such schools tends to perpetuate low standards.

While much research has been conducted to ascertain the specific qualifications of teachers that contribute to teaching success, beginnings only have been made in the scientific determination of the precise qualifications teachers should have. Because of the greater opportunities of the teacher-education institutions to ascertain and develop such qualifications during the applicant's schooling, the State must necessarily delegate primary responsibility for these functions to the institutions.

The balance between teacher-supply and teacher-demand is periodically upset, but so far relatively few States have made appreciable headway in the regulation of the supply of prospective teachers turned out by the teacher-education institutions.

In the absence of effective centralized control over teacher-education, the State education office and the teacher-education institutions have joined in cooperative efforts in a number of States to establish minimum standards for such work and to agree upon State lists of approved

teacher-education institutions. Such efforts have been very fruitful, and have resulted in definite improvements in teacher-education and certification programs.

Outstanding trends in the development of teacher-education institutions that have affected teacher-certification include the lengthening, broadening, and general enrichment of the curricula and courses offered. Indication of such improvements include the development of teachers colleges, which increased in number from 46 in 1920 to 173 in 1937; the growth of schools, colleges, and departments of education in colleges and universities; a rapid decrease in the number of short curricula in normal schools and teachers colleges, and a corresponding decrease in the number of teacher-training high schools and county normal schools.

#### RECOMMENDATIONS

1. State certification should serve not only to protect the State and its pupils in the schools against incompetent teachers, but should serve also to: (a) protect qualified teachers from the competition of other teachers not so well qualified; (b) afford more control by the State over teacher-personnel activities common to the State; (c) assist in improving the professional qualifications of teachers in service; and (d) yield information on which a continuous inventory of teachers and their qualifications may be based.
2. Certification terminology should be simplified and made more uniform among States.
3. Certification should take into account the varying conditions under which the schools are organized and maintained in different States. Conditions vary so widely that exact uniformity is not to be expected in certification standards and practices. Greater uniformity, however, is highly desirable in practices. Minimum requirements in low-standard States should be raised, without lowering the requirements of any States.
4. Certification requirements, other than those expressing minimum or general standards, should be set by the State board of education, rather than by statute. Certification laws should do little more than fix minimum standards and empower the board of education to interpret these standards into rules and regulations and to set higher standards whenever possible.
5. Teachers in non-public schools should be required to meet standards essentially equivalent to those required for public-school teachers.
6. Complete control over the administration of certification, and over the issuance of certificates, should be in the hands of the State board of education and its professional staff.



7. Control over teacher-certification in a given State, and the control or supervision exercised over teacher-education in that State, should be consolidated in the same division of the chief State education office. Other State activities relating to teacher personnel should be coordinated with these functions.
8. The cooperation of local school officers, teachers, teacher-education institutions, and other individuals and agencies concerned, should be secured in the development of a State program of certification.
9. A highly competent professional staff should be provided for the State administration of teacher-education and certification.
10. The interstate migration of teachers should not be hindered by certification regulations or requirements based upon any considerations other than professional competency. It follows that certification will not be refused because of lack of State residence and similar reasons, and that the meeting of special subject-matter requirements peculiar to a State will be demanded only after the new teacher has had time to meet such requirements.
11. Out-of-State institutional credentials that represent preparation for teaching equivalent to that provided by the approved institutions of any given State should be accepted as a basis of certification in that State.
12. Each State should maintain a list of accredited or approved teacher-education institutions, and should make these lists available to other States.
13. The issuance of low-grade certificates upon the basis of examinations should be abandoned as rapidly as local conditions permit. Certificates should be issued instead upon the basis of credentials from approved teacher-education institutions.
14. Examinations for certificates should be under the complete control and direction of the State.
15. Examinations, if permitted as a supplementary device in the issuance of certificates to applicants whose demonstrated competence has reached high levels, or if required as a prerequisite for teacher employment, should be constructed in accordance with modern educational practices, and should be extended, when possible, to provide for the evaluation of a wider variety of qualifications than scholarship alone.
16. Certificates should provide the following items of information as a minimum: scope and length of validity, amount and kinds of preparation required, and terms or conditions of renewal or exchange.
17. Certificates should be differentiated for all distinctive types of



public-school service that demand extensive or prolonged preparation of a specialized nature. Such differentiation should not preclude the attainment by the applicant of a satisfactory, well-rounded general education.

18. The requirement of distinctively professional preparation, adapted in some degree to the specific needs of the subjects to be taught, should be required for all certificates.
19. Minimum scholastic requirements for certification should be set at the highest levels that the supply of teachers permits.
20. Changes in certification requirements should not be retroactive.
21. Student teaching or equivalent induction to teaching should be required for all initial certificates.
22. All certificates issued to inexperienced teachers should be of a probationary nature, and their duration should be limited.
23. Life certificates, if issued, should not be granted unconditionally. Provisions should be made requiring the holders to keep professionally up-to-date.
24. A certificate not used by the holder for a period of years should lapse, and should not be renewed until he has secured additional scholastic and professional education.
25. Miscellaneous prerequisites other than scholarship that should be required for all certificates include: (a) minimum age of eighteen to twenty-one years, depending somewhat upon the minimum level of education required in the State making the age requirement; (b) United States citizenship, or declaration of intention to assume citizenship; (c) personal fitness, including good moral character and physical fitness.
26. Certification requirements should stand primarily on a foundation of preparation in approved teacher-education institutions.
27. The State teacher-education and certification office should be given authority to develop and maintain a unified and effective program of teacher-education and certification. The work in teacher-education given by all agencies contributing to the supply of teachers in a given State should be subject to supervision or check by the State office.
28. Each State teacher-education and certification office, in cooperation with recognized teacher-education institutions, should formulate definite standards governing teacher-education within the State. The State office should maintain and disseminate to other States lists of higher-education institutions approved under these standards for teacher-certification purposes.

29. As rapidly as the supply of adequately educated teachers permits, teacher-training high schools and county normals, and short curricula in teachers colleges and normal schools, should be eliminated.
30. Continued efforts should be made by teacher-education institutions to determine the qualifications essential to the teaching success of their graduates, and to redirect their programs accordingly. Future ness and homogeneity in teacher-education, and in requirements for progress in this direction may be expected to result in more effective-certification.